



University of Agriculture, Faisalabad

Bidding Documents

Tender No.1/2023

SPECIAL INSTRUCTIONS

- No cutting, erasing is allowed in the Tender bid.
- Bid offered strictly in accordance with the bid document will only be accepted.
- Only typed bid will be accepted
- Call Deposit Receipt (CDR) will be preferred. However, Bank Guarantee may also be accepted in case of performance security. CDR and Bank Guarantee be deposited in the University relevant account and in that eventuality, the release of the requisite amount would be made in shape of crossed cheque after deductions of necessary taxes and bank charges
- All bidders and the representative visits the University of Agriculture, Faisalabad must ensure safety measures for COVID-19 as directed by the Govt. of Pakistan

**THIS IS FOR STRICT COMPLIANCE, FAILING WHICH THE
RESPECTIVE BID SHALL STAND CANCELLED**

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Section I.

Invitation for Bids



UNIVERSITY OF AGRICULTURE, FAISALABAD (TENDER NOTICE No.1/2023)

The prospective bidders having Income Tax, General Sales Tax, Provincial Sales Tax (if applicable) registered with relevant authority/department are invited to submit sealed tenders on the basis of Single Stage (two envelop procedure) for purchase of Furniture & Fixture, Equipment, IT Equipment, Chemicals & Glassware and Books etc., (in accordance with the bidding document) for University of Kamalia under 64 (A) Punjab Procurement Rule 2014.

Date of Receiving and Opening	19.01.2023	Receiving Time	02:00 p.m.
		Opening Time	02:30 p.m.
		Bid Security	2% of the Estimated Cost
		Tender Fee	Rs.500/-
			(Free, if Download)
* Link for free Download: http://uaf.edu.pk/directorates/dpiv/dpiv_tenders.html			

1. The prospective bidder may download the bidding document carrying all details free of cost at the *link mentioned above or may have bidding document from the **Directorate of Procurement & Inventory Control (DPIC), University of Agriculture, Faisalabad (UAF)** subject to production of deposit receipt of Rs. 500/- in the University Income Account (No.11-9/NBP, UAF Branch). The bidders shall drop the bids in the Tender Box or sent through Courier as per schedule. The bids will be opened at **DPIC, UAF** as per date & time mentioned above.

2. The UAF will not be responsible for any cost or expense incurred by the bidder in connection with the preparation or delivery of bids. In case of official holiday on the day of submission, the next day will be treated as closing date.

Note: The bid must be dropped in the Tender Box available in Director Room and not to be handed over to any person of the Directorate if the bid is sent by in person or through post, the same instructions be passed on to the Courier.

DIRECTOR (DPIC)
(For & On behalf of the Committee)
Phone#041-9200898, 9200161 Extn.3503/3504/3505/3506/3507
E.Mail: dpic@uaf.edu.pk
store_officer@uaf.edu.pk

Section II.

Instructions to Bidders

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Instructions to Bidders

A. Introduction

1. Source of Funds

2. Eligible Bidders

3. Eligible Goods and Services

4. Cost of Bidding

University of Kamalia.

2.1 The invitation for Bids is opened to all supplier having trade relations with Pakistan and registration for National Tax Number &Sales Tax Number with Federal Board of Revenue

2.2 Bidders should not be associated, or have been associated in the past, directly or indirectly, with a firm or any of its affiliates which have been engaged by the Purchaser to provide consulting services for the preparation of the design, specifications, and other documents to be used for the procurement of the goods to be purchased under this Invitation for Bids.

2.3 Only Government owned enterprises may participate, only if they are legally allowed.

2.4 bidders shall not be under a declaration of ineligibility in accordance with ITB 36.1&37 by any Government organization. The bidder shall provide affidavit to this effect.

3.1 All goods and related services to be supplied under the contract shall have their origin in eligible source countries, and all expenditures made under the contract will be limited to such goods and services.

3.2 For purposes of this clause, “origin” means the place where the goods are mined, grown, or produced, or the place from which the related services are supplied. Goods are produced when, through manufacturing, processing, or substantial and major assembly of components, a commercially-recognized product results that is substantially different in basic characteristics or in purpose or utility from its components.

3.3 The origin of goods and services is distinct from the nationality of the Bidder.

4.1 The Bidder shall bear all costs associated with the preparation and submission of its bid, and the Purchaser named in the bid date sheet, hereinafter referred to as “the purchaser” will in no case be responsible or liable for those costs, regardless of the conduct or outcome of the bidding process.

B. The Bidding Documents

5. Content of Bidding Documents

5.1 The goods required, bidding procedures, and contract terms are prescribed in the bidding documents. In addition to the Invitation for Bids, the bidding documents include:

(a) Instructions to Bidders (ITB)

(b) Bid Data Sheet

(c) General Conditions of Contract (GCC)

(d) Special Conditions of Contract (SCC)

(e) Schedule of Requirements

(f) Technical Specifications

(g) Bid Form and Price Schedules

(h) Manufacturer’s Authorization Form

(i) Integrity pact.

(j) Mechanism of Blacklisting and Deregistration

5.2 The Bidder is expected to examine all instructions, forms, terms, and specifications in the bidding documents. Failure to furnish all information required by the bidding documents or to submit a bid not substantially responsive to the bidding documents in every respect will be at the Bidder’s risk and may result in the rejection of its bid.
6. Clarification of Bidding Documents

6.1 A prospective Bidder requiring any clarification of the bidding documents may notify the Purchaser in writing at the Purchaser’s address indicated in the **Bid Data Sheet**. The Purchaser will respond in writing to any request for clarification of the bidding documents which it receives prior to the deadline for the submission of bids prescribed in ITB Clause 19.1. Written copies of the Purchaser’s response (including an explanation of the query but without identifying the source of inquiry) will be sent to all prospective bidders that have received the bidding documents.
7. Amendment of Bidding Documents

7.1 At any time prior to the deadline for submission of bids, the Purchaser, for any reason, whether at its own initiative or in response to a clarification requested by a prospective Bidder, may modify the bidding documents by amendment.

7.2 All prospective bidders that have received the bidding documents will be notified of the amendment in writing and will be binding on them.

7.3 In order to allow prospective bidders reasonable time in which to take the amendment into account in preparing their bids, the Purchaser, at its discretion, may extend the deadline for the submission of bids.

C. Preparation of Bids

- | | |
|--|--|
| 8. Language of Bid | 8.1 The bid prepared by the Bidder, as well as all correspondence and documents relating to the bid exchanged by the Bidder and the Purchaser shall be written in English. Supporting documents and printed literature furnished by the Bidder may be in another language provided they are accompanied by an accurate translation of the relevant passages in the language specified above, in which case, for purposes of interpretation of the Bid, the translation shall govern. |
| 9. Documents Constituting the Bid | <p>9.1 The bid prepared by the Bidder shall comprise the following components:</p> <ul style="list-style-type: none"> (a) a Bid Form and a Price Schedule completed in accordance with ITB Clauses 10, 11, and 12; (b) documentary evidence established in accordance with ITB Clause 13 that the Bidder is eligible to bid and is qualified to perform the contract if its bid is accepted; (c) documentary evidence established in accordance with ITB Clause 14 that the goods and ancillary services to be supplied by the Bidder are eligible goods and services and conform to the bidding documents; and (d) bid security furnished in accordance with ITB Clause 15. |
| 10. Bid Form | <p>10.1 The Bidder shall complete the Bid Form and the appropriate Price Schedule furnished in the bidding documents, indicating the goods to be supplied, a brief description of the goods, their country of origin, quantity, and prices.</p> <p>10.2 Bidders tendering for engineering goods produced in Pakistan shall be accorded a price preference in rupees up to a specific percentage (in proportion to the value addition) of the lowest quoted landed cost of an item of foreign origin with similar specifications as mentioned in the tenders:</p> <ul style="list-style-type: none"> (1) Provided that- <ul style="list-style-type: none"> (a) The saving in foreign exchange is not less than the amount of price preference: and (b) It is ensured that in each case of such preference, the total import requirements for producing the supplies tendered for locally manufactured items has been duly indicated by the bidders. (2) Price preference shall be allowed as under:- <ul style="list-style-type: none"> (a) Having minimum of twenty percent value addition through indigenous manufacturing price preference shall fifteen percent; (b) Having over twenty percent and up to thirty percent value addition through indigenous manufacturing, price preference shall be twenty percent, and (c) Having over thirty percent value addition through indigenous manufacturing, price preference shall be twenty five percent. |

- (3) For the purpose of granting a margin of domestic preference bids will be classified into following groups.

Group.A. Bids offering engineering goods produced in Pakistan.

Group.B. Bids offering good of foreign origin to be imported by the purchaser through the supplier's Local (Pakistan) Agent.

Group.C. Bids offering good of foreign origin to be imported by the purchaser directly.

11. Bid Prices

11.1 The Bidder shall indicate on the appropriate Price Schedule the unit prices (where applicable) and total bid price of the goods it proposes to supply under the contract.

11.2 Prices indicated on the Price Schedule shall be entered separately in the following manner or specified otherwise in the Bid Data Sheet:-

- a). for goods offered from within Pakistan;

the price shall be quoted on FOR UAF basis. (FOR means the price of goods quoted by the bidder shall be inclusive of all costs, expenses, charges, duties and taxes etc. whatsoever incidental to their delivery, installation and commissioning as the case may be at UAF site).

- b) for goods offered from abroad by the LOCAL AGENT:

the price shall be quoted Cost and Freight (CFR), Carriage Paid to (Duty Paid) (CPT) Karachi seaport or Lahore/Faisalabad airport Pakistan, as the case may be. The bidder shall also add all cost expenses, charges, duties and taxes etc. whatsoever expect customs, incidental to delivery installation/commissioning of goods from the port of destination to UAF site. The bidder, in quoting the price, shall be free to use transportation in abroad except transit and means of transport through/of Israel. The LC at sight, as on Usance basis and Advance Payment will be governed as per following:-

i. LC AT SIGHT

The bidder shall provide Performa Invoice of principal on CPT/CFR basis as per supply order along with Insurance / Cover Note and CDR **within fortnight** in favor of Director (DPIC) as security equal to 100% amount of the goods to initiate the LC at sight.

ii. LC ON USANCE BASIS

In case the bidder, is unable to provide CDR in favor of Director (DPIC) as security equal to 100% amount of the goods to be imported, may chose this option and shall provide Performa Invoice of principal on CPT/CFR basis as per supply order along with Insurance / Cover Note **within fortnight** to initiate the LC on usance basis (minimum usance period 60 days from the date of Airway Bill **OR** 90 days from the date of Bill of Lading).

iii. ADVANCE PAYMENT

The bidder shall provide Performa Invoice of principal on CPT/CFR basis as per supply order along with Insurance / Cover Note and CDR **within fortnight** in favor of Director (DPIC) as security equal to 100% amount of the goods to be imported to proceed for

advance payment to the exporter. However, this option will be had where the value of the goods to be imported is up to US \$ 10,000 or varied in accordance with the instructions of the State Bank of Pakistan and Pakistan Customs issued from time to time and remittance will also be made accordingly.

iv. OPEN ACCOUNT

In case the bidder has not opted for import through LC (at sight or Usance basis or advance payment) may opt this option and shall provide Performa Invoice of principal on CPT/CFR basis as per supply order **within fortnight**. However, remittance will be made maximum up to six months from the date of filing of Goods Declaration (GD) form or otherwise as per Foreign Exchange Manual of State Bank of Pakistan and Pakistan Customs or instruction issued in this regard from time to time.

v. CONTRACT / COLLECTION

In case the bidder has not opted the options referred to “i to iv” above and may opt for this option. The bidder shall provide Performa Invoice of principal on CPT/CFR basis as per supply order **within fortnight**. The minimum period for remittance will be 60 days from the date of Airway Bill **OR** 90 days from the date of Bill of Lading. However, remittance will be made as per Foreign Exchange Manual of State Bank of Pakistan and Pakistan Customs or instruction issued in this regard from time to time.

vi. INCIDENTAL CHARGES FOR IMPORT OF GOODS:

All charges (Inside/outside Pakistan) like insurance, LC/bank and clearance of consignment from port/custom authorities will be borne by the bidder.

vii. RELEASE OF CDR

In case of LC at sight and advance payment to exporter, the CDR equal to 100% amount of the shipment as security will be released by Director (DPIC) after receiving of satisfactory inspection/installation/commissioning report from convener tender committee concerned.

viii. INITIATION OF REMITTANCE TO THE EXPORTER

In case of LC on usance basis, import on Open Account and Contract / Collection basis, the Director (DPIC) will initiate remittance through the concern bank to the exporter after receiving the satisfactory inspection/installation/commissioning report from the purchaser or the convener tender committee as the case may be.

DELIVERY PERIOD

After receiving the transmitted LC (at sight OR Usance Basis) OR swift acknowledgment against advance payment / proof of advance payment OR supply order on “Open Account” or “Contract / Collection” basis, the local supplier is responsible to provide complete set of shipping documents [i.e. Airway Bill/Seaway Bill/Bill of Lading, Commercial Invoice, Packing List, Country of Origin Certificate and any other document(s) related to shipment (if required) along with detail of bidder’s clearing agent for issuance of authority letter for clearance of consignment from port / custom authorities] ***within 6 weeks from the date of opening of LC (at sight or usance basis), advance payment and date of supply order for import of goods on “Open Account” or “Contract / Collection” basis. Moreover, after clearance of consignment by bidder from port / custom authorities, will deliver the consignment to the purchaser along with complete set of post shipment documents within 05 days from the date of Authority Letter.*** After expiry of the requisite period, firm will require

to apply for extension in delivery period. However, after due scrutiny the Committee may extend the delivery period with liquidated damages as per applicable rate if the delay is on part of the bidder or without liquidated damages if the delay is on the part of the procuring agency or due to “force majeure”.

NOTE:

In case of late submission of Proforma Invoice, shipping documents and delivery of goods, difference of exchange rate on higher side as well as liquidated damages shall be recovered out of belongings of the bidders @ 0.67% of the value of the goods up to maximum 10% of the value of goods.

- 11.3 The terms CFR, CPT, etc., shall be governed by the rules prescribed in the current edition of *Incoterms* published by the International Chamber of Commerce, Paris or otherwise specified in the Bid Data Sheet and SCC
- 11.4 The Bidder’s separation of price components in accordance with ITB Clause 11.2 above will be solely for the purpose of facilitating the comparison of bids by the Purchaser and will not in any way limit the Purchaser’s right to contract on any of the terms offered.
- 11.5 Prices quoted by the Bidder shall be fixed during the Bidder’s performance of the contract and not subject to variation on any account, unless otherwise specified in the Bid Data Sheet. A bid submitted with an adjustable price quotation will be treated as non-responsive and will be rejected, pursuant to ITB Clause 24. If, however, in accordance with the Bid Data Sheet, prices quoted by the Bidder shall be subject to adjustment during the performance of the contract, a bid submitted with a fixed price quotation will not be rejected, but the price adjustment would be treated as zero.

12. Bid Currencies

- 12.1 Prices shall be quoted in the following currencies:
 - (a) For goods and services that the Bidder will supply from within the Purchaser Country, the prices shall be quoted in Pak Rupees, unless otherwise specified in the **Bid Data Sheet**.
 - (b) For goods and services that the Bidder will supply from outside the Purchaser Country, the prices shall be quoted in any currency. However the payment will only be made by the purchaser in pak rupees in case of ITB clause 11.2 (b) and SCC.

13. Documents Establishing Bidder’s Eligibility and Qualification

- 13.1 Pursuant to ITB Clause 9, the Bidder shall furnish, as part of its bid, documents establishing the Bidder’s eligibility to bid and its qualifications to perform the contract if its bid is accepted.
- 13.2 The documentary evidence of the Bidder’s eligibility to bid shall establish to the Purchaser’s satisfaction that the Bidder, at the time of submission of its bid, is from an eligible country as defined under ITB Clause 2.
- 13.3 The documentary evidence of the Bidder’s qualifications to perform the contract if its bid is accepted shall establish to the Purchaser’s satisfaction:
 - (a) that, in the case of a Bidder offering to supply goods under the contract which the Bidder did not manufacture or otherwise produce, the Bidder has been duly authorized by

the goods’ Manufacturer or producer to supply the goods in the Purchaser Country;

- (b) that the Bidder has the financial, technical, and production capability necessary to perform the contract;
- (c) that, in the case of a Bidder not doing business within the Purchaser Country, the Bidder is or will be (if awarded the contract) represented by an Agent in that country equipped and able to carry out the Supplier’s maintenance, repair, and spare parts-stocking obligations prescribed in the Conditions of Contract and/or Technical Specifications; and
- (d) that the Bidder meets the qualification criteria listed in the **Bid Data Sheet**.

14. Documents Establishing Goods’ Eligibility and Conformity to Bidding Documents

- 14.1 Pursuant to ITB Clause 9, the Bidder shall furnish, as part of its bid, documents establishing the eligibility and conformity to the bidding documents of all goods and services which the Bidder proposes to supply under the contract.
- 14.2 The documentary evidence of the eligibility of the goods and services shall consist of a statement in the Price Schedule of the country of origin of the goods and services offered which shall be confirmed by a certificate of origin issued at the time of shipment.
- 14.3 The documentary evidence of conformity of the goods and services to the bidding documents may be in the form of literature, drawings, and data, and shall consist of:
 - (a) a detailed description of the essential technical and performance characteristics of the goods;
 - (b) a list giving full particulars, including available sources and current prices of spare parts, special tools, etc., necessary for the proper and continuing functioning of the goods for a period to be specified in the **Bid Data Sheet**, following commencement of the use of the goods by the Purchaser; and
 - (c) an item-by-item commentary on the Purchaser’s Technical Specifications demonstrating substantial responsiveness of the goods and services to those specifications, or a statement of deviations and exceptions to the provisions of the Technical Specifications.
- 14.4 For purposes of the commentary to be furnished pursuant to ITB Clause 14.3(c) above, the Bidder shall note that standards for workmanship, material, and equipment, as well as references to brand names or catalogue numbers designated by the Purchaser in its Technical Specifications, are intended to be descriptive only and not restrictive. The Bidder may substitute alternative standards, brand names, and/or catalogue numbers in its bid, provided that it demonstrates to the Purchaser’s satisfaction that the substitutions ensure substantial equivalence to those designated in the Technical Specifications.

15. Bid Security

- 15.1 Pursuant to ITB Clause 9, the Bidder shall furnish, as part of its bid, a bid security @ 2% of the Estimated Cost or in the amount specified otherwise in the **Bid Data Sheet**.
- 15.2 The bid security is required to protect the Purchaser against the risk of Bidder’s conduct which would warrant the security’s forfeiture, pursuant to ITB Clause 15.7.

	<p>15.3 The bid security shall be denominated in the currency of the bid or in another freely convertible currency, and shall be in one of the following forms:</p> <p>(a) Call deposit receipt (CDR).</p> <p>15.4 Any bid not secured in accordance with ITB Clauses 15.1 and 15.3 will be rejected by the Purchaser as nonresponsive, pursuant to ITB Clause 24.</p> <p>15.5 Unsuccessful bidders' bid securities will be discharged or returned as promptly as possible but not later than thirty (30) days after the expiration of the period of bid validity prescribed by the Purchaser pursuant to ITB Clause 16.</p> <p>15.6 The successful Bidder's bid security will be discharged upon the Bidder signing the contract, pursuant to ITB Clause 34, and furnishing the performance security, pursuant to ITB Clause 35.</p> <p>15.7 The bid security may be forfeited:</p> <p>(a) if a Bidder:</p> <p>(i) withdraws its bid during the period of bid validity specified by the Bidder on the Bid Form, or</p> <p>(ii) does not accept the correction of errors pursuant to ITB Clause 24.2; or</p> <p>(b) in the case of a successful Bidder, if the Bidder fails:</p> <p>(i) to sign the contract in accordance with ITB Clause 34; or</p> <p>(ii) to furnish performance security in accordance with ITB Clause 35.</p>
<p>16. Period of Validity of Bids</p>	<p>16.1 Bids shall remain valid for the period specified in the Bid Data Sheet after the deadline date of bid submission prescribed by the Purchaser, pursuant to ITB Clause 19. A bid valid for a shorter period shall be rejected by the Purchaser as nonresponsive.</p> <p>16.2 In exceptional circumstances, the Purchaser may solicit the Bidder's consent to an extension of the period of validity. The request and the responses thereto shall be made in writing. The bid security provided under ITB Clause 15 shall also be suitably extended. A Bidder may refuse the request without forfeiting its bid security. A Bidder granting the request will not be required nor permitted to modify its bid.</p>
<p>17. Format and Signing of Bid</p>	<p>17.1 The Bidder shall prepare an original bid indicated in the Bid Data Sheet, clearly marking each "TECHNICAL BID" and "FINANCIAL BID," as appropriate. In the event of any discrepancy between them, the original shall govern.</p> <p>17.2 The original bid shall be typed and signed by the Bidder or a person or persons duly authorized to bind the Bidder to the contract. All pages of the bid, except for unamended printed literature, shall be initialed by the person or persons signing the bid.</p>

- 17.3 Any interlineations, erasures, or overwriting shall be valid only if they are initialed by the person or persons signing the bid.
- 17.4 The Bidder shall furnish information as described in the Form of Bid on commissions or gratuities, if any, paid or to be paid to agents relating to this Bid, and to contract execution if the Bidder is awarded the contract.

D. Submission of Bids

18. Sealing and Marking of Bids

- 18.1 The Bidder shall seal the Technical and Financial Bid in separate envelopes, duly marking the envelopes as “TECHNICAL” and “FINANCIAL.” The envelopes shall then be sealed in an outer envelope.
- 18.2 The inner and outer envelopes shall:
 - (a) be addressed to the Purchaser at the address given in the **Bid Data Sheet**; and
 - (b) bear the Project name indicated in the Bid Data Sheet, the Invitation for Bids (IFB) title and number indicated in the Bid Data Sheet, and a statement: “DO NOT OPEN BEFORE,” to be completed with the time and the date specified in the **Bid Data Sheet**, pursuant to ITB Clause 22.1.
- 18.3 The inner envelopes shall also indicate the name and address of the Bidder to enable the bid to be returned unopened in case it is declared “late.”
- 18.4 If the outer envelope is not sealed and marked as required by ITB Clause 18.2, the Purchaser will assume no responsibility for the bid’s misplacement or premature opening.

19. Deadline for Submission of Bids

- 19.1 Bids must be received by the Purchaser at the address specified under ITB Clause 18.2 (a) not later than the time and date specified in the **Bid Data Sheet**.
- 19.2 The Purchaser may, at its discretion, extend this deadline for the submission of bids by amending the bidding documents in accordance with ITB Clause 7, in which case all rights and obligations of the Purchaser and bidders previously subject to the deadline will thereafter be subject to the deadline as extended.

20. Late Bids

- 20.1 Any bid received by the Purchaser after the deadline for submission of bids prescribed by the Purchaser pursuant to ITB Clause 19 will be rejected and returned unopened to the Bidder.

21. Modification and Withdrawal of Bids

- 21.1 The Bidder may modify or withdraw its bid after the bid’s submission, provided that written notice of the modification, including substitution or withdrawal of the bids, is received by the Purchaser prior to the deadline prescribed for submission of bids.
- 21.2 The Bidder’s modification or withdrawal notice shall be prepared, sealed, marked, and dispatched in accordance with the provisions of ITB Clause 18. A withdrawal notice may also be sent by fax, but followed by a signed confirmation copy, postmarked not later than the deadline for submission of bids.
- 21.3 No bid may be modified after the deadline for submission of bids.
- 21.4 No bid may be withdrawn in the interval between the deadline for submission of bids and the expiration of the period of bid validity

specified by the Bidder on the Bid Form. Withdrawal of a bid during this interval may result in the Bidder’s forfeiture of its bid security, pursuant to the ITB Clause 15.7.

E. Opening and Evaluation of Bids

22. Opening of Bids by the Purchaser

- 22.1 The Purchaser will open all bids in the presence of bidders’ representatives who choose to attend, at the time, on the date, and at the place specified in the **Bid Data Sheet**. The bidders’ representatives who are present shall sign a register evidencing their attendance.
- 22.2 The bidders’ names, bid modifications or withdrawals, bid prices, discounts, and the presence or absence of requisite bid security and such other details as the Purchaser, at its discretion, may consider appropriate, will be announced at the opening. No bid shall be rejected at bid opening, except for late bids, which shall be returned unopened to the Bidder pursuant to ITB Clause 20.
- 22.3 Bids (and modifications sent pursuant to ITB Clause 21.2) that are not opened and read out at bid opening shall not be considered further for evaluation, irrespective of the circumstances.
- 22.4 The Purchaser will prepare minutes of the bid opening.

23. Clarification of Bids

- 23.1 During evaluation of the bids, the Purchaser may, at its discretion, ask the Bidder for a clarification of its bid. The request for clarification and the response shall be in writing, and no change in the prices or substance of the bid shall be sought, offered, or permitted.

24. Preliminary Examination

- 24.1 The Purchaser will examine the bids to determine whether they are complete, whether any computational errors have been made, whether required sureties have been furnished, whether the documents have been properly signed, and whether the bids are generally in order.
- 24.2 Arithmetical errors will be rectified on the following basis. If there is a discrepancy between the unit price and the total price that is obtained by multiplying the unit price and quantity, the unit price shall prevail, and the total price shall be corrected. If there is a discrepancy between words and figures, the amount in words will prevail. If the Supplier does not accept the correction of the errors, its bid will be rejected, and its bid security may be forfeited.
- 24.3 The Purchaser may waive any minor informality, nonconformity, or irregularity in a bid which does not constitute a material deviation, provided such waiver does not prejudice or affect the relative ranking of any Bidder.
- 24.4 Prior to the detailed evaluation, pursuant to ITB Clause 26, the Purchaser will determine the substantial responsiveness of each bid to the bidding documents. For purposes of these Clauses, a substantially responsive bid is one which conforms to all the terms and conditions of the bidding documents without material deviations. Deviations from, or objections or reservations to critical provisions, **such as** those concerning Bid Security (ITB Clause 15), Applicable Law (GCC Clause 31), and Taxes and Duties (GCC Clause 33), will be deemed to be a material

deviation. The Purchaser's determination of a bid's responsiveness is to be based on the contents of the bid itself without recourse to extrinsic evidence.

- 24.5 If a bid is not substantially responsive, it will be rejected by the Purchaser and may not subsequently be made responsive by the Bidder by correction of the nonconformity.

**25. Conversion
to Single
Currency**

25.1 To facilitate evaluation and comparison, the Purchaser will convert all bid prices expressed in the amounts in various currencies in which the bid prices are payable to either:

- (a) Purchaser Country at the selling exchange rate established for similar transactions by the State Bank of Pakistan and National Bank of Pakistan or specified otherwise;

25.2 The currency selected for converting bid prices to a common base for the purpose of evaluation is Pak Rupees to be converted as per rate of the bank shown in ITB 25.1 (a) on the date of opening of the financial bid or specified otherwise in the **Bid Data Sheet**.

**26. Evaluation
and
Comparison
of Bids**

26.1 The Purchaser will evaluate and compare the bids which have been determined to be substantially responsive, pursuant to ITB Clause 24.

26.2 The Purchaser's evaluation of a bid will take into account, in addition to the bid price quoted in accordance with ITB Clause 11.2, one or more of the following factors as specified in the **Bid Data Sheet**, and quantified in ITB Clause 26.3:

- (a) delivery schedule offered in the bid;
- (b) deviations in payment schedule from that specified in the Special Conditions of Contract;
- (c) the cost of components, mandatory spare parts, and service;
- (d) the availability in the Purchaser's country of spare parts and after-sales services for the equipment offered in the bid;
- (e) the projected operating and maintenance costs during the life of the equipment;
- (f) the performance and productivity of the equipment offered; and/or
- (g) other specific criteria indicated in the **Bid Data Sheet** and/or in the Technical Specifications.

26.3 For factors retained in the Bid Data Sheet pursuant to ITB 26.2, one or more of the following quantification methods will be applied, as detailed in the Bid Data Sheet:

- (a) *Delivery schedule.*
 - (i) The goods covered under this invitation are required to be delivered (shipped) within an acceptable range of weeks specified in the Schedule of Requirement. No credit will be given to earlier deliveries, and bids offering delivery beyond this range will be treated as nonresponsive. Within this acceptable range, an adjustment per week, as specified in the **Bid Data Sheet**, will be added for evaluation to the bid price of bids offering deliveries later than the earliest delivery period specified in the Schedule of Requirements.
- (b) *Deviation in payment schedule.*
 - (i) The SCC stipulates the payment schedule offered by the Purchaser. If a bid deviates from the schedule it will be considered as non-responsive bid.
- (c) *Cost of spare parts.*
 - (i) The list of items and quantities of major assemblies, components, and selected spare parts, likely to be required during the initial period of operation shall be specified by the bidder. The total cost of these items, at the unit prices quoted in each bid, will be added to the bid price.

or

- (ii) The bidder will draw up a list of high-usage and high-value items of components and spare parts, along with estimated quantities of usage in the initial period of operation. The total cost of these items and quantities

will be computed from spare parts unit prices submitted by the Bidder and added to the bid price.

- (d) *Spare parts and after sales service facilities in the Purchaser's country.*

The cost to the Purchaser of establishing the minimum service facilities and parts inventories, if outlined in the **Bid Data Sheet** or elsewhere in the bidding documents, if quoted separately, shall be added to the bid price.

- (e) *Operating and maintenance costs.*

Since the operating and maintenance costs of the goods under procurement form a major part of the life cycle cost of the equipment, these costs will be evaluated in accordance with the criteria specified in the **Bid Data Sheet** or in the Technical Specifications.

- (f) *Performance and productivity of the equipment.*

- (i) Goods offered shall have a minimum productivity specified under the relevant provision in the Technical Specifications to be considered responsive. Evaluation shall be based on the cost per unit of the actual productivity of goods offered in the bid or otherwise specified in the **Bid Data Sheet** or in the Technical Specifications.

- (g) *Specific additional criteria*

Other specific additional criteria to be considered in the evaluation and the evaluation method shall be detailed in the **Bid Data Sheet** and/or the Technical Specifications.

26.4. **Delivery Schedule.**

As mentioned in Bid Data Sheet.

27. Domestic Preference

- 27.1 If the **Bid Data Sheet** so specifies, the Purchaser will grant a margin of preference to goods manufactured in the Purchaser’s country for the purpose of bid comparison, in accordance with the procedures outlined in subsequent paragraphs, provided the Bidder shall have established to the satisfaction of the Purchaser that its bid complies with the criteria specified in ITB Clause 10.2 (a):
- 27.2 The Purchaser will first review the bids to confirm the appropriateness of, and to modify as necessary, the bid group classification to which bidders assigned their bids in preparing their Bid Forms and Price Schedules, pursuant to ITB Clauses 10 and 11.
- 27.3 All evaluated bids in each group will then be compared among themselves to determine the lowest evaluated bid of each group. The lowest evaluated bid of each group will next be compared with the lowest evaluated bids of the other groups. If this comparison results in a bid from Group A or Group B being the lowest, it will be selected for contract award.
- 27.4 If, as a result of the preceding comparison, the lowest evaluated bid is from Group C, all Group C bids will then be further compared with the lowest evaluated bid from Group A, after adding to the evaluated bid price of the imported goods offered in each Group C bid, for the purpose of this further comparison only:
- (a) the amount of customs duties and other import taxes that a nonexempt importer would have to pay for the importation of goods offered in each Group C bid;

If the Group A bid in the further comparison is the lowest, it will be selected for award. If not, the lowest evaluated bid from Group C, as determined from the comparison under ITB Clause 27.3 above, will be selected for award.

28. Contacting the Purchaser

- 28.1 From the time of bid opening to the time of contract award, if any bidder wishes to contact the Purchaser on any matter related to the bid, it should do so in writing.
- 28.2 Any effort by a Bidder to influence the Purchaser in its decisions on bid evaluation, bid comparison, or contract award may result in the rejection of the Bidder’s bid.

F. Award of Contract

29. Post-qualification

- 29.1 In the absence of prequalification, the Purchaser will determine to its satisfaction whether the Bidder that is selected as having submitted the lowest evaluated responsive bid is qualified to perform the contract satisfactorily, in accordance with the criteria listed in ITB Clause 13.3.
- 29.2 The determination will take into account the Bidder’s financial, technical, and production capabilities. It will be based upon an examination of the documentary evidence of the Bidder’s qualifications submitted by the Bidder, pursuant to ITB Clause

	<p>13.3, as well as such other information as the Purchaser deems necessary and appropriate.</p> <p>29.3 An affirmative determination will be a prerequisite for award of the contract to the Bidder. A negative determination will result in rejection of the Bidder’s bid, in which event the Purchaser will proceed to the next lowest evaluated bid to make a similar determination of that Bidder’s capabilities to perform satisfactorily.</p>
<p>30. Award Criteria</p>	<p>30.1 Subject to ITB Clause 32, the Purchaser will award the contract to the successful Bidder whose bid has been determined to be substantially responsive and has been determined to be the lowest evaluated bid, provided further that the Bidder is determined to be qualified to perform the contract satisfactorily.</p>
<p>31. Purchaser’s Right to Vary Quantities at Time of Award</p>	<p>31.1 The Purchaser reserves the right at the time of contract award to increase or decrease, as per requirement, the quantity of goods and services originally specified in the Schedule of Requirements without any change in unit price or other terms and conditions.</p>

- | | |
|---|---|
| 32. Purchaser's Right to Accept Bid and to Reject All Bids | 32.1 The Purchaser reserves the right to accept bid and to annul the bidding process and reject all bids at any time prior to contract award, without thereby incurring any liability to the affected Bidder or bidders. |
| 33. Notification of Award | <p>33.1 Prior to the expiration of the period of bid validity, the Purchaser will notify/inform the successful and unsuccessful Bidder in writing by letter or by Fax/ e-mail, or telephonically, that its bid has been accepted and unaccepted as the case may by.</p> <p>33.2 The notification of award will constitute the formation of the Contract.</p> <p>33.3 Upon the successful Bidder's furnishing of the performance security pursuant to ITB Clause 35, the Purchaser will discharge bid security to each unsuccessful Bidder on his written request, pursuant to ITB Clause 15.</p> <p>33.4 If, after notification of award, a Bidder wishes to ascertain the grounds on which its bid was not selected, it should address its request to the Purchaser. The Purchaser will promptly respond in writing to the unsuccessful Bidder.</p> |
| 34. Signing of Contract | 34.1 After 10 days from the announcement of evaluation report, the Purchaser will send supply order or Formal Contract as the case may be to successful bidder. In case of formal contract, the successful bidder will send back the contract to the purchaser duly signed within 7 days from the issuance date. Failing which the Purchaser reserves the right under ITB Clause 15.7. |
| 35. Performance Security | <p>35.1 Within Seven (07) days from the issuance of acceptance letter from the Purchaser, the successful Bidder shall furnish the performance security in shape of any bank instrument as desired in Page # 1 of Bidding Document. In case the amount of bid security is equal or greater than the value of the goods to be supplied then the bidder shall not require furnishing the performance security separately and the bid security will be retained to meet the requirement of performance security.</p> <p>35.2 Failure of the successful Bidder to comply with the requirement of ITB Clause 35.1 shall constitute sufficient grounds for the annulment of the award and forfeiture of the bid security, in which event the Purchaser may make the award to the next lowest evaluated Bidder or call for new bids. <u>The purchaser can also purchase at risk and cost of the 1st lowest bidder (from 2nd lowest bidder or from market).</u></p> |
| 36. Corrupt or Fraudulent Practices | <p>36.1 The purchaser as well as Bidders/Suppliers/Contractors should observe the highest standard of ethics during the procurement and execution of such contracts. In pursuance of this policy, the PPRA Govt. of the Punjab;</p> <p>(a) the terms set forth below as follows:</p> <p>(i) "corrupt practice" means the offering, giving, receiving or soliciting of anything of value to influence the action of a public official in the procurement process or in contract execution; and</p> <p>(ii) "fraudulent practice" means a misrepresentation of facts in order to influence a procurement process or the execution of a contract to the detriment of the Purchaser, and includes collusive practice among Bidders (prior to or after bid submission) designed to</p> |

establish bid prices at artificial non-competitive levels and to deprive the Purchaser of the benefits of free and open competition;

- (b) The purchaser will reject a proposal for award if it determines that the Bidder recommended for award has engaged in corrupt or fraudulent practices in competing for the contract in question;
- (c) The Purchaser will declare a firm ineligible, either indefinitely or for a stated period of time, to be awarded a University Contract if it at any time determines that the firm has engaged in corrupt or fraudulent practices in competing for, or in executing, a University Contract.

36.2 Furthermore, Bidders shall be aware of the provision stated in Clauses 5.4 and 24.1 of the General Conditions of Contract.

37. Blacklisting

(1) A procuring agency may, for a specified period debar a bidder or contractor from participating in any public procurement process of the procuring agency, if the bidder or contractor has:

- (a) acted in a manner detrimental to the public interest or good practices;
- (b) consistently failed to perform his obligation under the contract;
- (c) not performed the contract up to the mark; or
- (d) indulged in any corrupt practice

2. If a procuring agency debars a bidder or contractor under sub-rule (1), the procuring agency;

- (a) shall forward the decision to the Authority for publication on the website of the Authority; and
- (b) may request the Authority to debar the bidder or contractor for procurement of all procuring agencies.

(3) The Managing Director PPRA, Punjab may debar a bidder or contractor of any procuring agency from participating in any public procurement process of all or some of the procuring agencies for such period as the Managing Director may determine.

(4) Any person aggrieved by a declaration made under rule 20 or a decision under sub-rule (1) of this rule may, within thirty days from the date of the publication of the information on the website of the Authority, file a representation before the Managing Director and the Managing Director may pass such order on the representation as he may deem fit.

(5) Any person or procuring agency aggrieved by an order under sub-rule (3) or (4) may, within thirty days of the order, file a representation before the Chairperson and the Chairperson may pass such order on the representation as it may deem appropriate.

(6) The mechanism or process for barring a bidder or contractor from participating in procurement process of a procuring agency, procuring agencies and a representation under this rule is specified in the Appendix-1

Appendix - I

Subject: **MECHANISM OF BLACKLISTING**

BLACKLISTING MECHANISM OR PROCESS

1. The procuring agency may, on information received from any resource, issue show cause notice to a bidder or contractor.
2. The show cause notice shall contain:
 - (a) precise allegation, against the bidder or contractor;
 - (b) the maximum period for which the procuring agency proposes to debar the bidder or contractor from participating in any public procurement of the procuring agency; and
 - (c) the statement, if needed, about the intention of the procuring agency to make a request to the Authority for debarring the bidder or contractor from participating in public procurements of all the procuring agencies.
3. The procuring agency shall give minimum of seven days to the bidder or contractor for submission of written reply of the show cause notice.
4. In case, the bidder or contractor fails to submit written reply within the requisite time, the procuring agency may issue notice for personal hearing to the bidder or contractor/ authorize representative of the bidder or contractor and the procuring agency shall decide the matter on the basis of available record and personal hearing, if availed.
5. In case the bidder or contractor submits written reply of the show cause notice, the procuring agency may decide to file the matter or direct issuance of a notice to the bidder or contractor for personal hearing.
6. The procuring agency shall give minimum of seven days to the bidder or contractor for appearance before the specified officer of the procuring agency for personal hearing.
7. The procuring agency shall decide the matter on the basis of the available record and personal hearing of the bidder or contractor, if availed.
8. The procuring agency shall decide the matter within fifteen days from the date of personal hearing unless the personal hearing is adjourned to a next date and in such an eventuality, the period of personal hearing shall be reckoned from the last date of personal hearing.
9. The procuring agency shall communicate to the bidder or contractor the order of debarring the bidder or contractor from participating in any public procurement with a statement that the bidder or contractor may, within thirty days, prefer a representation against the order before the Managing Director of the Authority.
10. The procuring agency shall, as soon as possible, communicate the order of blacklisting to the Authority with the request to upload the information on its website.
11. If the procuring agency wants the Authority to debar the bidder or contractor from participating in any public procurement of all procuring agencies, the procuring agency shall specify reasons for such dispensation.

12. The Authority shall immediately publish the information and decision of blacklisting on its website.

13. In case of request of a procuring agency under para 11 or representation of any aggrieved person under rule 21 of UAF Procurement Rules 2014, the Managing Director shall issue a notice for personal hearing to the parties and call for record of proceedings of blacklisting. The parties may file written statements and documents in support of their contentions.

14. In case of representation of any aggrieved person or procuring agency under rule 21 of UAF Procurement Rules 2014, the Chairperson shall issue a notice for personal hearing to the parties and may call for the record of the proceedings. The parties may file written statements and documents in support of their contentions.

15. In every order of blacklisting under rule 21 of UAF Procurement Rules 2014, the procuring agency shall record reasons of blacklisting and also reasons for short, long or medium period of blacklisting.

16. The Authority shall upload all the decisions under rule 21 of UAF Procurement Rules 2014, available with it, on its website. But the name of a bidder or contractor shall immediately be removed from the list of blacklisted persons on expiry of period of blacklisting or order of the competent authority to that effect, whichever is earlier.

17. An effort shall be made for electronic communication of all the notices and other documents pursuant to this mechanism or process.

37.1 The bidder shall provide undertaking that the firm not blacklisted by any of Provincial or Federal Government Department, Agency, Organization or autonomous body or private Sector Organization anywhere in Pakistan.

Section III.

Bid Data Sheet

Bid Data Sheet

The following specific data for the goods to be procured shall complement, supplement, or amend the provisions in the Instructions to Bidders (ITB). Whenever there is a conflict, the provisions herein shall prevail over those in ITB.

A-Introduction	
ITB 2.1	The invitation for Bids is opened to all suppliers having registration for National Tax Number & Sales Tax Number with Federal Board of Revenue.
ITB2.3	Government owned enterprises may participate, only if they are legally allowed.
ITB 2.4	In addition to the contents of ITB 2.4 the bidder shall not be blacklisted by any organization of the Government of the Punjab as well as Federal Government. The bidder shall provide affidavit to this effect.
B- Bidding Documents	
ITB 5.1(h)	Not applicable
ITB 6.1	<p>Purchaser's address: Focal Person, University of Kamalia THROUGH</p> <p style="color: red;">Directorate of Procurement & Inventory Control (DPIC) University of Agriculture, Faisalabad Phone No. 041-9200898</p> <p style="color: red;"><u>FOR TECHNICAL RESPONSE:</u></p> <p>i. Focal Person, University of Kamalia ii. Director (P&D), University of Kamalia iii. Chairman, Department of Forestry</p>
C-Preparation of Bid	
ITB 8.1	Language of the bid. “English”
ITB 11.2	Prices on F.O.R. basis is required
ITB 11.2 (c) ITB 11.3	Not applicable
ITB 13.3 (d)	<p>Qualification requirements attached with Technical Bid:-</p> <p>1. Company /Bidder Profile:</p> <ol style="list-style-type: none"> a. Experience 2 Years from NTN Registration b. Name of owner/proprietor c. Copy of CNIC d. Date of Establishment, Age of Firm e. Copy of NTN and Sales Tax Registration f. Copy of Valid Professional Tax or previous year g. Submission of undertaking that the firm not blacklisted by any of Provincial or Federal Government Department, Agency, Organization or autonomous body or private Sector Organization anywhere in Pakistan

ITB 15.1	Amount of bid security. 2% of the Estimated Cost in shape of Call Deposit Receipt (CDR) in favour of Director (DPIC), UAF to be attached with the technical Bid. However, if attached with financial bid, please mention CDR No., Date and Bank Name ii. No bid money for BOOKS
ITB 16.1	Bid validity period. 180 Days
ITB 17.1	Bid: Single Stage (two envelop procedure)
D-Submission of Bid	
ITB 18.2 (a)	Address for bid submission. Directorate of Procurement & Inventory Control (DPIC), University of Agriculture, Faisalabad (UAF)
ITB 18.2 (b)	Tender Notice No. 1/2023
ITB 19.1	Deadline for bid submission: 19.01.2023
E-Bid Evaluation	
ITB 25.1(a)	State Bank or a Commercial Bank to be read as State Bank of Pakistan and National Bank of Pakistan
ITB 25.2	The common base currency is PAK Rupee to be converted as per rate of the bank shown in ITB 25.1(a) of the bid data sheet on the date of opening of the financial bid.
ITB 26.3 (a)(i)	The SCC stipulates the payment schedule offered by the purchaser. If a bid deviates from the schedule then it will be considered as non-responsive.
ITB 26.3 (c)	The bidder will provide the cost of spare parts required to be replaced during whole life of the goods after the expiry of warranty period.
ITB 26.3 (e)	The bidder will provide :- i) Cost of consumables N/A ii) Unit of energy consumption per hour N/A iii) Life cycle of the goods N/A
ITB 26.3 (f)	Performance and productivity of Articles. As per Technical Specification
ITB 26.3 (g)	As per specification.
ITB 27	As per ITB clause 10.2 prior to the award of procurement contract
ITB 33	Subject to PPRA Rule 2014/UAF Procurement Rule 2014, the bidder with the lowest evaluated bid, if not in conflict with any other law, shall be awarded the procurement contract within the original or extended bid validity period after 10 days of announcement of the evaluation report.

Section IV.

General Conditions of Contract

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General Conditions of Contract

1. Definitions

1.1 In this Contract, the following terms shall be interpreted as indicated:

- (a) “The Contract” means the agreement entered into between the Purchaser and the Supplier, as recorded in the Contract Form signed by the parties, or the supply order issued by the purchaser to the supplier, as the case may be, including all attachments and appendices thereto and all documents incorporated by reference therein.
- (b) “The Contract Price” means the price payable to the Supplier under the Contract for the full and proper performance of its contractual obligations.
- (c) “The Goods” means all of the equipment, machinery, and/or other materials which the Supplier is required to supply to the Purchaser under the Contract.
- (d) “The Services” means those services ancillary to the supply of the Goods, such as transportation and insurance, and any other incidental services, such as installation, commissioning, provision of technical assistance, training, and other such obligations of the Supplier covered under the Contract.
- (e) “GCC” means the General Conditions of Contract contained in this section.
- (f) “SCC” means the Special Conditions of Contract.
- (g) “The Purchaser” means the organization purchasing the Goods, as mentioned in Bid Data Sheet.
- (h) “The Purchaser’s country” is **Pakistan**.
- (i) “The Supplier” means the individual or firm supplying the Goods and Services under this Contract and **named in Supply Order**.
- (j) “The University” means the **University of KAMALIA**.
- (k) “The Project Site,” where applicable, means the place or places **named in Bid Data Sheet and technical specifications**
- (l) “Day” means calendar day.

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| 2. Application | 2.1 These General Conditions shall apply to the extent that they are not superseded by provisions of other parts of the Contract. |
| 3. Country of Origin | <p>3.1 All Goods and Services supplied under the Contract shall have their origin in the countries as elaborated in the Technical Specifications.</p> <p>3.2 For purposes of this Clause, “origin” means the place where the Goods were mined, grown, or produced, or from which the Services are supplied. Goods are produced when, through manufacturing, processing, or substantial and major assembly of components, a commercially recognized new product results that is substantially different in basic characteristics or in purpose or utility from its components.</p> <p>3.3 The origin of Goods and Services is distinct from the nationality of the Supplier.</p> |
| 4. Standards | 4.1 The Goods supplied under this Contract shall conform to the standards mentioned in the Technical Specifications, and, when no applicable standard is mentioned, to the authoritative standards appropriate to the Goods’ country of origin. Such standards shall be the latest issued by the concerned institution. |
| 5. Use of Contract Documents and Information; Inspection and Audit by Purchaser | <p>5.1 The Supplier shall not, without the Purchaser’s prior written consent, disclose the Contract, or any provision thereof, or any specification, plan, drawing, pattern, sample, or information furnished by or on behalf of the Purchaser in connection therewith, to any person other than a person employed by the Supplier in the performance of the Contract. Disclosure to any such employed person shall be made in confidence and shall extend only so far as may be necessary for purposes of such performance.</p> <p>5.2 The Supplier shall not, without the Purchaser’s prior written consent, make use of any document or information enumerated in GCC Clause 5.1 except for purposes of performing the Contract.</p> <p>5.3 Any document, other than the Contract itself, enumerated in GCC Clause 5.1 shall remain the property of the Purchaser and shall be returned (all copies) to the Purchaser on completion of the Supplier’s performance under the Contract if so required by the Purchaser.</p> <p>5.4 The Supplier shall permit the Purchaser to inspect the Supplier’s accounts and records relating to the performance of the Supplier and to have them audited by auditors appointed by the Purchaser, if so required by the Purchaser.</p> |

- 6. Patent Rights** 6.1 The Supplier shall indemnify the Purchaser against all third-party claims of infringement of patent, trademark, or industrial design rights arising from use of the Goods or any part thereof in the Purchaser's country.
- 7. Performance Security** 7.1 Within Seven (07) days from the issuance of acceptance letter from the Purchaser, the successful Bidder shall furnish the performance security in shape of CDR at the discretion of the Purchaser in the amount **specified in SCC**. In case the amount of bid security is equal or greater than the value of the goods to be supplied then the bidder shall not require furnishing the performance security separately, it will be retained or deducted from the bidder's claim on bidder's choice.
- 7.2 The proceeds of the performance security shall be payable to the Purchaser as compensation for any loss resulting from the Supplier's failure to complete its obligations under the Contract.
- 7.3 The performance security shall be denominated in the currency of the Contract, or in a freely convertible currency acceptable to the Purchaser and shall be in one of the following forms:
- (a) CDR issued by a reputable bank located in the Purchaser's country or abroad, acceptable to the Purchaser, in the form provided in the bidding documents or another form acceptable to the Purchaser.
- 7.4 The performance security will be discharged by the Purchaser and returned to the Supplier not later than thirty (30) days following the date of completion of the Supplier's performance obligations under the Contract, including any warranty obligations, unless otherwise **specified in SCC**.
- 8. Inspections and Tests** 8.1 The Purchaser or its representative shall have the right to inspect and/or to test the Goods to confirm their conformity to the Contract specifications at no extra cost to the Purchaser. **SCC** and the Technical Specifications shall specify what inspections and tests the Purchaser requires and where they are to be conducted. The Purchaser shall notify the Supplier in writing, in a timely manner, of the identity of any representatives retained for these purposes.
- 8.2 The inspections and tests may be conducted on the premises of the Supplier or its subcontractor(s), at point of delivery, and/or at the Goods' final destination. If conducted on the premises of the Supplier or its subcontractor(s), all reasonable facilities and assistance, including access to drawings and production data, shall be furnished to the inspectors at no charge to the Purchaser.

8.3 Should any inspected or tested Goods fail to conform to the Specifications, the Purchaser may reject the Goods, and the Supplier shall either replace the rejected Goods or make alterations necessary to meet specification requirements free of cost to the Purchaser.

8.4 The Purchaser's right to inspect, test and, where necessary, reject the Goods after the Goods' arrival in the Purchaser's country shall in no way be limited or waived by reason of the Goods having previously been inspected, tested, and passed by the Purchaser or its representative prior to the Goods' shipment from the country of origin.

8.5 Nothing in GCC Clause 8 shall in any way release the Supplier from any warranty or other obligations under this Contract.

9. Packing

9.1 The Supplier shall provide such packing of the Goods as is required to prevent their damage or deterioration during transit to their final destination, as indicated in the Contract. The packing shall be sufficient to withstand, without limitation, rough handling during transit and exposure to extreme temperatures, salt and precipitation during transit, and open storage. Packing case size and weights shall take into consideration, where appropriate, the remoteness of the Goods' final destination and the absence of heavy handling facilities at all points in transit.

9.2 The packing, marking, and documentation within and outside the packages shall comply strictly with such special requirements as shall be expressly provided for in the Contract, including additional requirements, if any, specified in SCC, and in any subsequent instructions ordered by the Purchaser.

10. Delivery and Documents

10.1 Delivery of the Goods shall be made by the Supplier in accordance with the terms specified in the Schedule of Requirements. The details of shipping and/or other documents to be furnished by the Supplier are specified in SCC.

10.2 For purposes of the Contract, "CFR," "CPT", the terms used to describe the obligations of the parties shall have the meanings assigned to them by the current edition of *Incoterms* published by the International Chamber of Commerce, Paris.

10.3 Documents to be submitted by the Supplier are **specified in SCC**.

11. Insurance

- 11.1 The Goods supplied under the Contract shall be fully insured in a freely convertible currency against loss or damage incidental to manufacture or acquisition, transportation, storage, and delivery in the manner **specified in the SCC**.
- 11.2 Where delivery of the Goods is required by the Purchaser on a CFR or CPT basis, the Purchaser shall arrange and pay for cargo insurance, naming the supplier as beneficiary.

12. Transportation

- 12.1 Where the Supplier is required under Contract to deliver the Goods FOB, transport of the Goods, up to and including the point of putting the Goods on board the vessel at the specified port of loading, shall be arranged and paid for by the Supplier, and the cost thereof shall be included in the Contract Price. Where the Supplier is required under the Contract to deliver the Goods FCA, transport of the Goods and delivery into the custody of the carrier at the place named by the Purchaser or other agreed point shall be arranged and paid for by the Supplier, and the cost thereof shall be included in the Contract Price.
- 12.2 Where the Supplier is required under Contract to deliver the Goods CFR or CPT, transport of the Goods to the port of destination or such other named place of destination in the Purchaser's country, as shall be specified in the Contract, shall be arranged and paid for by the Supplier, and the cost thereof shall be included in the Contract Price.
- 12.3 Where the Supplier is required under the Contract to transport the Goods to a specified place of destination within the Purchaser's country, defined as the Project Site, transport to such place of destination in the Purchaser's country, including insurance and storage, as shall be specified in the Contract, shall be arranged by the Supplier, and related costs shall be included in the Contract Price.
- 12.4 Where the Supplier is required under Contract to deliver the Goods CFR or CPT, no restriction shall be placed on the choice of carrier. Where the Supplier is required under Contract (a) to deliver the Goods FOB or FCA, and (b) to arrange on behalf and at the expense of the Purchaser for international transportation on specified carriers or on national flag carriers of the Purchaser's country, the Supplier may arrange for such transportation on alternative carriers if the specified or national flag carriers are not available to transport the Goods within the period(s) specified in the Contract.

13. Incidental Services

13.1 The Supplier may be required to provide any or all of the following services, including additional services, if any, **specified in SCC:**

- (a) performance or supervision of on-site assembly and/or start-up of the supplied Goods;
- (b) furnishing of tools required for assembly and/or maintenance of the supplied Goods;
- (c) furnishing of a detailed operations and maintenance manual for each appropriate unit of the supplied Goods;
- (d) performance or supervision or maintenance and/or repair of the supplied Goods, for a period of time agreed by the parties, provided that this service shall not relieve the Supplier of any warranty obligations under this Contract; and
- (e) training of the Purchaser's personnel, at the Supplier's plant and/or on-site, in assembly, start-up, operation, maintenance, and/or repair of the supplied Goods.

13.2 Prices charged by the Supplier for incidental services, if not included in the Contract Price for the Goods, shall be agreed upon in advance by the parties and shall not exceed the prevailing rates charged to other parties by the Supplier for similar services.

14. Spare Parts

14.1 As **specified in SCC**, the Supplier may be required to provide any or all of the following materials, notifications, and information pertaining to spare parts manufactured or distributed by the Supplier:

- (a) such spare parts as the Purchaser may elect to purchase from the Supplier, provided that this election shall not relieve the Supplier of any warranty obligations under the Contract; and
- (b) in the event of termination of production of the spare parts:
 - (i) advance notification to the Purchaser of the pending termination, in sufficient time to permit the Purchaser to procure needed requirements; and
 - (ii) following such termination, furnishing at no cost to the Purchaser, the blueprints, drawings, and specifications of the spare parts, if requested.

15. Warranty

15.1 The Supplier warrants that the Goods supplied under the Contract are new, unused, of the most recent or current models, and that they incorporate all recent improvements in design and

materials unless provided otherwise in the Contract. The Supplier further warrants that all Goods supplied under this Contract shall have no defect, arising from design, materials, or workmanship (except when the design and/or material is required by the Purchaser's specifications) or from any act or omission of the Supplier, that may develop under normal use of the supplied Goods in the conditions prevailing in the country of final destination.

15.2 This warranty shall remain valid for twelve (12) months after the Goods, or any portion thereof as the case may be, have been delivered to and accepted at the final destination indicated in the Contract, or for eighteen (18) months after the date of shipment from the port or place of loading in the source country, whichever period concludes earlier, unless **specified otherwise in SCC**.

15.3 The Purchaser shall promptly notify the Supplier in writing of any claims arising under this warranty.

15.4 Upon receipt of such notice, the Supplier shall, within the period specified in notice or in SCC and with all reasonable speed, repair or replace the defective Goods or parts thereof, without costs to the Purchaser.

15.5 If the Supplier, having been notified, fails to remedy the defect(s) within the period specified in the notice or in SCC, the Purchaser may proceed to take such remedial action as may be necessary, at the Supplier's risk and expense and without prejudice to any other rights which the Purchaser may have against the Supplier under the Contract.

16. Payment

16.1 The method and conditions of payment to be made to the Supplier under this Contract shall be **specified in SCC**.

16.2 The Supplier's request(s) for payment shall be made to the Purchaser in writing, accompanied by an invoice describing, as appropriate, the Goods delivered and Services performed, and by documents submitted pursuant to GCC Clause 10, and upon fulfillment of other obligations stipulated in the Contract.

16.3 Payments shall be made promptly by the Purchaser, **but in no case later than thirty (30) days** after submission of an invoice or claim by the Supplier.

16.4 The currency or currencies in which payment is made to the Supplier under this Contract shall be **specified in SCC** subject to the following general principle: payment will be made in the currency or currencies in which the payment has been requested in the Supplier's bid.

16.5 All payments shall be made in the currency or currencies specified in the SCC pursuant to GCC 16.4.

17. Prices

17.1 Prices charged by the Supplier for Goods delivered and Services performed under the Contract shall not vary from the prices quoted by the Supplier in its bid, with the exception of any price adjustments **authorized in SCC** or in the Purchaser's request for bid validity extension, as the case may be.

18. Change Orders

18.1 The Purchaser may at any time, by a written order given to the Supplier pursuant to GCC Clause 32, make changes within the general scope of the Contract in any one or more of the following:

- (a) drawings, designs, or specifications, where Goods to be furnished under the Contract are to be specifically manufactured for the Purchaser;
- (b) the method of shipment or packing;
- (c) the place of delivery; and/or
- (d) the Services to be provided by the Supplier.

18.2 If any such change causes an increase or decrease in the cost of, or the time required for, the Supplier's performance of any provisions under the Contract, an equitable adjustment shall be made in the Contract Price or delivery schedule, or both, and the Contract shall accordingly be amended. Any claims by the Supplier for adjustment under this clause must be asserted within thirty (30) days from the date of the Supplier's receipt of the Purchaser's change order.

19. Contract Amendments

19.1 Subject to GCC Clause 18, no variation in or modification of the terms of the Contract shall be made except by written amendment signed by the parties.

20. Assignment

20.1 The Supplier shall not assign, in whole or in part, its obligations to perform under this Contract, except with the Purchaser's prior written consent.

21. Subcontracts

21.1 The Supplier shall notify the Purchaser in writing of all subcontracts awarded under this Contract if not already specified in the bid. Such notification, in the original bid or later, shall not relieve the Supplier from any liability or obligation under the Contract.

21.2 Subcontracts must comply with the provisions of GCC Clause 3.

22. Delays in the Supplier's Performance

- 22.1 Delivery of the Goods and performance of Services shall be made by the Supplier in accordance with the time schedule prescribed by the Purchaser in the Schedule of Requirements.
- 22.2 If at any time during performance of the Contract, the Supplier or its subcontractor(s) should encounter conditions impeding timely delivery of the Goods and performance of Services, the Supplier shall promptly notify the Director (DPIC) in writing of the fact of the delay, its likely duration and its cause(s). As soon as practicable after receipt of the Supplier's notice, the Director (DPIC) shall evaluate the situation and may at its discretion extend the Supplier's time for performance, with or without liquidated damages, in which case the extension shall be ratified by the parties by amendment of Contract.
- 22.3 Except as provided under GCC Clause 25, a delay by the Supplier in the performance of its delivery obligations shall render the Supplier liable to the imposition of liquidated damages pursuant to GCC Clause 23, unless an extension of time is agreed upon pursuant to GCC Clause 22.2 without the application of liquidated damages.

23. Liquidated Damages

- 23.1 Subject to GCC Clause 25, if the Supplier fails to deliver any or all of the Goods or to perform the Services within the period(s) specified in the Contract, the Purchaser shall, without prejudice to its other remedies under the Contract, deduct from the Contract Price, as liquidated damages, a sum equivalent to the percentage specified in SCC of the delivered price of the delayed Goods or unperformed Services for each week or part thereof of delay until actual delivery or performance, up to a maximum deduction of the percentage **specified in SCC**. Once the maximum is reached, the Purchaser may consider termination of the Contract pursuant to GCC Clause 24.

24. Termination for Default

- 24.1 The Purchaser, without prejudice to any other remedy for breach of Contract, by written notice of default sent to the Supplier, may terminate this Contract in whole or in part:
- (a) if the Supplier fails to deliver any or all of the Goods within the period(s) specified in the Contract, or within any extension thereof granted by the Purchaser pursuant to GCC Clause 22; or
 - (b) if the Supplier fails to perform any other obligation(s) under the Contract.
 - (c) if the Supplier, in the judgment of the Purchaser, has engaged in corrupt or fraudulent practices in competing for or in executing the Contract.

For the purpose of this clause:

“corrupt practice” means the offering, giving, receiving, or soliciting of anything of value to influence the action of a public official in the procurement process or in contract execution.

“fraudulent practice” means a misrepresentation of facts in order to influence a procurement process or the execution of a contract to the detriment of the Borrower, and includes collusive practice among Bidders (prior to or after bid submission) designed to establish bid prices at artificial non-competitive levels and to deprive the Purchaser of the benefits of free and open competition.

24.2 In the event the Purchaser terminates the Contract in whole or in part, pursuant to GCC Clause 24.1, the Purchaser may procure, upon such terms and in such manner as it deems appropriate, Goods or Services similar to those undelivered, and the Supplier shall be liable to the Purchaser for any excess costs for such similar Goods or Services. However, the Supplier shall continue performance of the Contract to the extent not terminated.

25. Force Majeure

25.1 Notwithstanding the provisions of GCC Clauses 22, 23, and 24, the Supplier shall not be liable for forfeiture of its performance security, liquidated damages, or termination for default if and to the extent that its delay in performance or other failure to perform its obligations under the Contract is the result of an event of Force Majeure.

25.2 For purposes of this clause, “Force Majeure” means an event beyond the control of the Supplier and not involving the Supplier’s fault or negligence and not foreseeable. Such events may include, but are not restricted to, acts of the Purchaser in its sovereign capacity, wars or revolutions, fires, floods, epidemics, quarantine restrictions, and freight embargoes.

25.3 If a Force Majeure situation arises, the Supplier shall promptly notify the Purchaser in writing of such condition and the cause thereof. Unless otherwise directed by the Purchaser in writing, the Supplier shall continue to perform its obligations under the Contract as far as is reasonably practical, and shall seek all reasonable alternative means for performance not prevented by the Force Majeure event.

26. Termination for Insolvency

26.1 The Purchaser may at any time terminate the Contract by giving written notice to the Supplier if the Supplier becomes bankrupt or otherwise insolvent. In this event, termination will be without compensation to the Supplier, provided that such termination will not prejudice or affect any right of action or remedy which has accrued or will accrue thereafter to the Purchaser.

**27. Termination
for
Convenience**

- 27.1 The Purchaser, by written notice sent to the Supplier, may terminate the Contract, in whole or in part, at any time for its convenience. The notice of termination shall specify that termination is for the Purchaser's convenience, the extent to which performance of the Supplier under the Contract is terminated, and the date upon which such termination becomes effective.
- 27.2 The Goods that are complete and ready for shipment within thirty (30) days after the Supplier's receipt of notice of termination shall be accepted by the Purchaser at the Contract terms and prices. For the remaining Goods, the Purchaser may elect:
- (a) to have any portion completed and delivered at the Contract terms and prices; and/or
 - (b) to cancel the remainder and pay to the Supplier an agreed amount for partially completed Goods and Services and for materials and parts previously procured by the Supplier.

**28. Settlement of
Disputes**

- 28.1 If any dispute or difference of any kind whatsoever shall arise between the Purchaser and the Supplier in connection with or arising out of the Contract, the parties shall make every effort to resolve amicably such dispute or difference by mutual consultation.
- 28.2 If the parties have failed to resolve their dispute or difference by such mutual consultation, then either the Purchaser or the Supplier may give notice to the other party of its intention to commence arbitration, as hereinafter provided, as to the matter in dispute, and no arbitration in respect of this matter may be commenced unless such notice is given.
- 28.2.1 Any dispute or difference in respect of which a notice of intention to commence arbitration has been given in accordance with this Clause shall be finally settled by arbitration. Arbitration may be commenced prior to or after delivery of the Goods under the Contract.
- 28.2.2 Arbitration proceedings shall be conducted in accordance with the rules of procedure **specified in the SCC**.
- 28.3 Notwithstanding any reference to arbitration herein,
- (a) the parties shall continue to perform their respective obligations under the Contract unless they otherwise agree; and

- (b) the Purchaser shall pay the Supplier any monies due the Supplier.
- 29. Limitation of Liability**
- 29.1 Except in cases of criminal negligence or willful misconduct, and in the case of infringement pursuant to Clause 6,
- (a) the Supplier shall not be liable to the Purchaser, whether in contract, tort, or otherwise, for any indirect or consequential loss or damage, loss of use, loss of production, or loss of profits or interest costs, provided that this exclusion shall not apply to any obligation of the Supplier to pay liquidated damages to the Purchaser and
- (b) the aggregate liability of the Supplier to the Purchaser, whether under the Contract, in tort or otherwise, shall not exceed the total Contract Price, provided that this limitation shall not apply to the cost of repairing or replacing defective equipment.
- 30. Governing Language**
- 30.1 The Contract shall be written in the language **specified in SCC**. Subject to GCC Clause 31, the version of the Contract written in the specified language shall govern its interpretation. All correspondence and other documents pertaining to the Contract which are exchanged by the parties shall be written in the same language.
- 31. Applicable Law**
- 31.1 The Contract shall be interpreted in accordance with the laws of the Purchaser's country, unless otherwise **specified in SCC**.
- 32. Notices**
- 32.1 Any notice given by one party to the other pursuant to this Contract shall be sent to the other party in writing or facsimile and confirmed in writing to the other party's address **specified in SCC**.
- 32.2 A notice shall be effective when delivered or on the notice's effective date, whichever is later.
- 33. Taxes and Duties**
- 33.1 A foreign Supplier shall be entirely responsible for all taxes, stamp duties, license fees, and other such levies imposed outside the Purchaser's country and purchaser's country as **specified in SCC**.
- 33.2 A local Supplier shall be entirely responsible for all taxes, duties, license fees, etc., incurred until delivery of the contracted Goods to the Purchaser.

Section V.

Special Conditions of Contract

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SPECIAL CONDITIONS OF CONTRACT

The following Special Conditions of Contract shall supplement the General Conditions of Contract. Whenever there is a conflict, the provisions herein shall prevail over those in the General Conditions of Contract. The corresponding clause number of the GCC is indicated in parentheses.

1. **Performance Security (GCC Clause 7)**

GCC 7.1—

- A. For goods offered from within Pakistan and abroad by the local agent by Pakistan:

the successful Bidder shall furnish the performance security @ 10% for the warranty period of one year of the value of Supply Order or Contract in shape of CDR in favour of Director (DPIC), University of Kamalia within Seven (07) days from the issuance of acceptance and 10% performance security letters from the Purchaser for permanent equipment. In case the amount of bid money is equal or greater than the value of the performance security, then the bidder shall not require to furnish the performance security separately.

- B. 2% CDR or any bank instrument except bank guarantee in favour of Director (DPIC) already received in lieu of bid money in case of general type/consumable good(s) will be retained by the office for 3 month from the day of supply of the respective good(s) or fully consumed whichever is earlier.

2. **Inspection and Tests (GCC Clause 8)**

GCC 8.1- By the concerned purchaser in accordance with the specifications or samples or both as required.

3. The representative of the firm(s) shall present the Authority Letter from the respective firm in the tender opening meetings with them, failing which he will not allowed to sit in the said meeting

4. **Warranty (GCC Clause 15)**

GCC15.2&15.4: One year parts warrantee free of cost labour and material etc. at site from the date of commissioning of goods.

5. **Bid Prices (11.2 ITB)**

- a). **for goods offered from within Pakistan;**

the price shall be quoted on FOR UAF basis. (FOR means the price of goods quoted by the bidder shall be inclusive of all costs, expenses, charges, duties and taxes etc. whatsoever incidental to their delivery, installation and commissioning as the case may be at UAF site).

- b) **If the firm quoted the rates on CFR/CPT basis, the firm is bound to quote the FOR prices also**

- c) **for goods offered from abroad by the LOCAL AGENT:**

the price shall be quoted Cost and Freight (CFR), Carriage Paid to (Duty Paid) (CPT) Karachi seaport or Lahore/Faisalabad airport Pakistan, as the case may be. The bidder shall also add all cost expenses, charges, duties, GST and other taxes to be paid at any stage within and outside Pakistan whatsoever incidental to delivery installation/commissioning of goods from the port of destination to UAF site. The bidder, in quoting the price, shall be free to use transportation in abroad except transit and means of transport through/of Israel. The LC at sight, as on Usance basis and Advance Payment will be governed as per following: -

i. LC AT SIGHT

The bidder shall provide Performa Invoice of principal on CPT/CFR basis as per supply order along with Insurance / Cover Note and CDR as security equal to 100% amount of the goods **within fortnight** in favor of Director (DPIC) to initiate the LC at sight.

ii. LC ON USANCE BASISs

The bidder shall provide Performa Invoice of principal on CPT/CFR basis as per supply order and CDR as security equal to 100% amount of the goods to be imported and shall provide Performa Invoice of principal on CPT/CFR basis as per supply order along with Insurance / Cover Note **within fortnight** to initiate the LC on usance basis (minimum usance period 60 days from the date of Airway Bill **OR** 90 days from the date of Bill of Lading).

iii. ADVANCE PAYMENT

The bidder shall provide Performa Invoice of principal on CPT/CFR basis as per supply order along with Insurance / Cover Note and CDR as security equal to 100% amount of the goods **within fortnight** in favor of Director (DPIC) to be imported to proceed for advance payment to the exporter. However, this option will be had where the value of the goods to be imported is up to US \$ 10,000 or varied in accordance with the instructions of the State Bank of Pakistan and Pakistan Customs issued from time to time and remittance will also be made accordingly.

iv. OPEN ACCOUNT

In case the bidder has not opted for import through LC (at sight or Usance basis or advance payment) may opt this option and shall provide Performa Invoice of principal on CPT/CFR basis as per supply order **within fortnight**. However, remittance will be made maximum up to six months from the date of filing of Goods Declaration (GD) form or otherwise as per Foreign Exchange Manual of State Bank of Pakistan and Pakistan Customs or instruction issued in this regard from time to time.

v. CONTRACT / COLLECTION

In case the bidder has not opted the options referred to “i to iv” above and may opt for this option. The bidder shall provide Performa Invoice of principal on CPT/CFR basis as per supply order **within fortnight**. The minimum period for remittance will be 60 days from the date of Airway Bill **OR** 90 days from the date of Bill of Lading. However, remittance will be made as per Foreign Exchange Manual of State Bank of Pakistan and Pakistan Customs or instruction issued in this regard from time to time.

vi. INCIDENTAL CHARGES FOR IMPORT OF GOODS:

All charges (Inside/outside Pakistan) like insurance taxes, duties etc., LC/bank and clearance of consignment from port/custom authorities will be borne by the bidder.

vii. RELEASE OF CDR

In case of LC at sight, Usance basis and advance payment to exporter, the CDR equal to 100% amount of the shipment as security will be released by Director (DPIC) after receiving of satisfactory inspection/installation/ commissioning report from convener tender committee concerned.

viii. INITIATION OF REMITTANCE TO THE EXPORTER

In case of LC on usance basis, import on Open Account and Contract / Collection basis, the Director (DPIC) will initiate remittance through the concern bank to the exporter after receiving the satisfactory inspection/installation/commissioning report from the purchaser or the convener tender committee as the case may be.

DELIVERY PERIOD

After receiving the transmitted LC (at sight **OR** Usance Basis) **OR** swift acknowledgment against advance payment / proof of advance payment **OR** supply order on “Open Account” or “Contract / Collection” basis, the local supplier is responsible to provide complete set of shipping documents [i.e. Airway Bill/Seaway Bill/Bill of Lading, Commercial Invoice, Packing List, Country of Origin Certificate and any other document(s) related to shipment (if required) along with detail of bidder’s clearing agent for issuance of authority letter for clearance of consignment from port / custom authorities] ***within 12s weeks from the date of opening of LC (at sight or usance basis), advance payment and date of supply order for import of goods on “Open Account” or “Contract / Collection” basis. Moreover, after clearance of consignment by bidder from port / custom authorities, will deliver the consignment to the purchaser along with complete set of post shipment documents within 05 days from***

the date of Authority Letter. After expiry of the requisite period, firm will require to apply for extension in delivery period. However, after due scrutiny the Committee may extend the delivery period with liquidated damages as per applicable rate if the delay is on part of the bidder or without liquidated damages if the delay is on the part of the procuring agency or due to “force majeure”.

NOTE:s

- i. In case of late submission of Proforma Invoice, shipping documents and delivery of goods, liquidated damages shall be recovered out of belongings of the bidders @ 0.67% of the value of the goods up to maximum 10% of the value of goods.
- ii. In case of C&F/CPT exchange rate of NBP shall be freezed on the date of financial opening. The differential amount on higher side shall be deposited into concerned project account or University Account. If the rate on higher side of vice-versa, the UAF will pay the difference amount to vendor out of project / UAF account.

6. **Payment (GCC Clause 16)**

7. **Prices (GCC Clause 17)**
GCC17.1: The successful bidder(s) shall provide the price reasonability certificate to the effect that the rates quoted are reasonable in accordance with the market. If it is found at any stage, the quoted rates are higher than the market ones or the item(s) have been provided to any other Institute/Department etc at less rates than the quoted ones. The firm undertakes to refund the difference amount to the purchaser on demand.

8. **Change Orders (GCC Clause 18)**
Not applicable

9. **Liquidated Damages (GCC Clause 23)**
GCC 23.1—Applicable rate:
The liquidated damages, if imposed, will be recovered at the rate of upto0.67% of the value of goods supplied/installed/commission late per day or a part of a period exceeding the original delivery period, subject to the provision that the total liquidated damages thus imposed will not exceed 10% of the total value of the goods delivered/installed/commission late.

10. **Settlement of Disputes (GCC Clause 28)**
The settlement of dispute will be settled in accordance with mechanism for redresal of grievances and settlement of dispute as specified below:-

Complaints of bidder/contractor shall be disposed/settled by a committee and arbitration prior to the entry into force and after into force of procurement contract respectively. Accordingly, grievances committee with powers and terms of reference and method of arbitration are as under:-

- A. **Grievances Committee:**
The committee comprises the following to address the complaints of the bidders prior to entry into force of the procurement contract:-

- | | | |
|------|--|-------------|
| i. | The Treasurer | (Convener) |
| ii. | Focal Person, University of Kamalia | (Member) |
| iii. | Resident Auditor or the Technical Expert(s)s not below the rank of Assistant Professor | (Member) |
| iv. | The Director (DPIC) | (Secretary) |

Any bidder feeling aggrieved by any act of the procuring agency after the submission of his bid may lodge a written complaint concerning his grievances not later than 10 days after the announcement of the bid evaluation report under rule 37 of the UAF Procurement Rules 2014.

The committee shall address the complaints of bidders that may occur prior to the entry into force of the procurement contract. The committee shall investigate and decide upon the complaint within fifteen days of the receipt of the complaint. Mere fact of lodging of a complaint shall not warrant suspension of the procurement process.

Any bidder not satisfied with the decision of the committee may lodge an appeal in the relevant court of jurisdiction.

B. Arbitration:

After coming into force of the procurement contract, all matters of dispute or difference except regarding rejection of goods by the Inspector under GCC clause 8 (Standard Bidding Document) or cancellation of the contract by the Purchaser, under GCC Clause 24 and 27 (Standard Bidding Document) arising out of the agreement between the parties thereto, the settlement of which is not otherwise specially provided for in contract agreement, shall be referred to arbitration as under:-

(a) Foreign Currency Contracts (CFR/CPT, etc.) made directly with Foreign Principal / Manufacturer

i. The dispute shall be referred for adjudication to two arbitrators one to be nominated by each party, who before entering upon the reference shall appoint an umpire by mutual agreement, and if they do not agree, a judge of the Superior Court will be requested to appoint the umpire. The arbitration proceedings shall be held in Pakistan and under Pakistan Law.

ii. The venue of arbitration shall be the place from which the contract is issued or such other places as the Purchaser at his discretion may determine.

iii. Arbitration award so given will be firm and final.

(b) Indigenous (FOR) contracts

The settlement of dispute, if not otherwise especially provided for in the contract shall be referred for the decision of Vice Chancellor, University of Agriculture, Faisalabad. His decision shall be final and binding on both the parties. The work under the contract shall if reasonably possible continue, under the proceedings before the Vice Chancellor and no account of such proceeding unless they are subject of the dispute.

Note:

- The arbitration award shall be recorded in writing.
- CFR/CPT, etc., contracts made through local agents would be dealt under sub para-B (b) above.

(c) Prior Notice for arbitration:

If the supplier intends to go for arbitration, he shall have to give 30 days notice in writing informing the purchaser of his intention to refer to the points of differences or dispute of arbitration. He shall have to define clearly the point of difference and or dispute in his notice.

C. Court Jurisdiction

Only the Courts at Faisalabad shall have exclusive jurisdiction to adjudicate upon any “lis” brought by either of the parties in relation to the contract.’

11. Applicable Law (GCC Clause 31)

GCC 31.1—UAF Procurement Rules 2014 and Laws governing in Pakistan

12. Notices (GCC Clause 32)

GCC 32.1: The Supplier shall provide address for notice purposes:

13. Taxes and Duties (GCC Clause 33)

14. Stamp Act

In accordance with the Stamp Act 1899 amended from time to time.

Section VI.

Schedule of Requirements

Schedule of Requirements

Number	Description	Quantity	Delivery schedule: Supply within 45 days
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Detail as per Technical Specification Section -VII

Section VII.

Technical Specifications

TECHNICAL SPECIFICATIONS

The bidder shall quote the goods along with the serial number mentioned below against each and provide soft copy in MS Word Sheet without price. The quoted goods shall have point to point commentary.

LOT # 1
FURNITURE

VC Office		-	-	-	-	-
1	Office Table with Side and back Rack	<p>Size Table: 6’x3’x30” Overall structure made of MDF shehsam win board, 16mm thick without top, edge covered with shesham wood, 4 drawer cabinet with wheels, central lock and best quality handle, good quality railing, top made of shesham wood with 3 original cow leather pieces, 8mm beveled glass on top, selected color, matt shine lacker finish</p> <p>ii. Size Side Rack: 42”x16”x30” Overall structure made of MDF shesham win board, 16mm thick, 1 keyboard tray, 1 CPU box, edge covered with shesham wood, selected color matt shine lacker finish, 8mm beveled glass on top.</p> <p>iii. Size back: 6’x16”x30” Overall structure, made of MDF shesham win board, 16mm thick, edge covered with shesham wood, 4 vertical door on front fix with kitchen hindges, two horizontal shelves, good quality lock with handle, selected color, matt shine lacker finish,</p> <p>(As per sample)</p>		1	225000	225000
2	Visitor Chair	<p>Structure made of solid sheesham wood. Seat and back upholster with best quality foam and original cow leather, selected color, matt shine lacker finish</p> <p>(As per sample)</p>		2	40000	80000
3	Revolving Chair	<p>Seat and back made of 12mm thick, ply wood, covered with A grade foam and selected color and original cow leather, adjustable height, 120mm gas lift, 320mm dia, nylon base and wheel</p> <p>(As per sample)</p>		1	55000	55000
4	Sofa (3+1+1)	<p>Structure made of solid keekar/jamin wood. Foot made of sheesham wood. Seat cushions filled white ballfiber. upholstery with best quality master moulty foam and original cow leather, seat thickness 6”, back 4” with additional</p>		5	70000	350000

		cushion filling with ball fiber (As per Sample)				
5.	Console for LED	Console Table for LED 72"x 18" x 30", Overall structure made of 16mm MDF shesham win board, 16mm thick, edge covered with shesam wood, matt shine lacker finish, 8mm glass on top (As per sample)		1	55000	55000
6	Centre Table	size: 48" x 24" structure made of shesham wood without top, top 12mm beveled glass (As per sample)		1	20000	20000
7	Corner Table	size: 24" x 24" structure made of shesham wood without top, top 12mm beveled glass (As per sample)		2	16000	32000

<u>P.A to V.C Office</u>		-	-	-	-	-
1	Office Table with Side Rack	Size: 5'x3'x2.5', structure made of ash win board, edge covered with ash wood, 3 drawer cabinet with wheels, central lock and handle, selected color, matt shine lacker finish, 8mm glass on top (As per sample)		1	60000	60000
2	Visitor Chair	Structure made of solid sheesham wood. Seat and back upholster with best quality foam and leatherite/fabric. Matt shine lacker finish (As per sample)		2	16000	32000
3	Revolving Chair	Seat and back upholster with best quality foam and leatherite/fabric, Matt shine lacker finish, Imported hydraulic jack and five star base. (As per sample)		1	22000	22000
4	Sofa Seat	Structure made of solid keeker/ jamin wood. Best quality foam and leatherite/fabric. Solid seasoned Shesham wood legs (As per sample)		2	22000	44000
5	Centre Table	size: 48" x 24" structure made of shesham wood without top, top 12mm beveled glass (As per sample)		1	20000	20000

Meeting Room		-	-	-	-	-
1	Meeting Table	Table size: 144" x 48" x 30" Overall structure made of 16 mm MDF sheesham veneer board. All edges covered with shesham wood. Top thickness 32mm. Matt shine with lacker finish (As per sample)		1	150000	115000
2	Revolving Chair	Wooden arm padded with foam and leatherite, Seat and back upholster with number 1 quality foam (Moulty/Diamond). Imported hydraulic jack and five star base. (As per sample)		20	25000	500000
3	Console For LED	Table size: 72" x 18" x 30" structure made of 16 mm MDF sheesham veneer board. All edges covered with sheesham wood. Top thickness 32mm. 8mm glass on top, Matt shine with lacker finish (As per sample)		1	55000	55000
4.	Credenza	Table size: 72" x 18" x 30" structure made of 16 mm MDF sheesham veneer board. All edges covered with sheesham wood. Top thickness 32mm. 8mm glass on top, Matt shine with lacker finish (As per sample)		1	55000	55000
5.	Corner Table	size: 24" x 24" structure made of shesham wood without top, top 12mm beveled glass (As per sample)		3	16000	48000

WAITING ROOM						
1	Sofa Seat	Structure made of solid keeker/ jamin wood. Number 1 best quality foam (Moulty/Diamond) and leatherite/fabric. Solid seasoned Shesham wood legs (As per sample)		9	22000	198000
2	Centre Table	size: 24" x 48" structure made of shesham wood without top, top 12mm beveled glass (As per sample)		2	18000	36000
3	Corner Table	size: 24" x 24" structure made of shesham wood without top, top 12mm beveled glass (As per sample)		4	16000	64000

<u>Registrar Office</u>		-	-	-	-	-
1	Office Table with Side and back Rack	Size Table: 6’x3’x30” Overall structure made of MDF shehsam win board, 16mm thick without top, edge covered with shesham wood, 4 drawer cabinet with wheels, central lock and best quality handle, good quality railing, top made of shesham wood with 3 leatherette pieces, selected color, matt shine lacker finish ii. Size Side Rack: 42”x16”x30” Overall structure made of MDF shesham win board, 16mm thick, 1 keyboard tray, 1 CPU box, edge covered with shesham wood, selected color matt shine lacker finish, iii. Size back: 6’x16”x30” Overall structure, made of MDF shesham win board, 16mm thick, edge covered with shesham wood, 4 vertical door on front fix with kitchen hindges, two horizontal shelves, good quality lock with handle, selected color, matt shine lacker finish (As per sample)		1	160000	160000
2	Visitor Chair	Structure made of solid sheesham wood. Seat and back upholster with number 1 quality rexen. Matt shine with lacker finish (As per sample)		2	22000	44000
3	Revolving Chair	Seat and back made of 12mm thick, ply wood, covered with A grade foam and selected color leatherette, adjustable height, 120mm gas lift, 320mm dia, nylon base and wheel (As per sample)		1	30000	30000
4	Sofa Seat (3+2)	Structure made of solid keeker/ jamin wood. Best quality foam and leatherette (As per sample)		5	22000	110000
5	Centre Table	size: 48" x 24" structure made of shesham wood, lower part, made of shesham win board, 16mm thick, edge covered with shesham wood, 12mm glass on top (As per sample)		1	22000	22000

6	Console For LED	Table size: 72" x 18" x 30" structure made of 16 mm MDF sheesham veneer board. All edges covered with sheesham wood. Top thickness 32mm. Matt shine lacker finish with 8mm glass on top		1	35000	35000
7	Corner Table	size: 24" x 24" structure made of shesham wood, lower part, made of shesham win board, 16mm thick, edge covered with shesham wood, 12mm glass on top (As per sample)		2	16000	32000

<u>P.A to Registrar Office</u>		-	-	-	-	-
1	Revolving Chair	Seat and back upholster with best quality foam. Sprit polished. Imported hydraulic jack and five star base (As per sample)		3	20000	60000
2	Armless Sofa Seat	Structure made of solid keeker/ jamin wood. Best quality foam and leatherette (As per sample)		3	15000	45000
3	Corner Table	size: 24" x 24" structure made of shesham wood, lower part, made of shesham win board, 16mm thick, edge covered with shesham wood, 12mm glass on top (As per sample)		1	16000	16000
4	Staff Table	Size: 4'x2.5'x2.5', structure made of ash win board, edge covered with ash wood, 3 drawer cabinet with wheels, central lock and handle, selected color, matt shine lacker finish, 8mm glass on top (As per sample)		2	35000	70000
5	Staff Visiting Chair	Structure made of solid sheesham wood. Seat and back upholster with best quality foam and rexen. Matt shine lacker finish. (As per sample)		4	15000	60000

Treasurer Office					
1	Office Table with Side and back Rack	<p>Size Table: 6’x3’x30” Overall structure made of MDF shehsam win board, 16mm thick without top, edge covered with shesham wood, 4 drawer cabinet with wheels, central lock and best quality handle, good quality railing, top made of shesham wood with 3 leatherette pieces, selected color, matt shine lacker finish</p> <p>ii. Size Side Rack: 42”x16”x30” Overall structure made of MDF shesham win board, 16mm thick, 1 keyboard tray, 1 CPU box, edge covered with shesham wood, selected color matt shine lacker finish,</p> <p>iii. Size back: 6’x16”x30” Overall structure, made of MDF shesham win board, 16mm thick, edge covered with shesham wood, 4 vertical door on front fix with kitchen hindges, two horizontal shelves, good quality lock with handle, selected color, matt shine lacker finish</p> <p>(As per sample)</p>		1	160000160000
2	Visitor Chair	Structure made of solid sheesham wood. Seat and back upholster with best quality foam and rexen. Matt shine lacker finish (As per sample)		2	2200044000
3	Revolving Chair	Seat and back made of 12mm thick, ply wood, covered with A grade foam and selected color leatherette, adjustable height, 120mm gas lift, 320mm dia, nylon base and wheel (As per sample)		1	3000030000
4	Corner / Coffee Table	size: 24" x 24" structure made of shesham wood, lower part, made of shesham win board, 16mm thick, edge covered with shesham wood, 12mm glass on top (As per sample)		1	1600016000
5	Sofa Seat (1+1)	Structure made of solid keeker/ jamin wood. Best quality foam and leatherette (As per sample)		2	2200044000

TREASURER STAFF						
1	Revolving Computer Chair	Seat and back upholster with best quality foam and rexen. Sprit polished. Imported hydraulic jack and five star base (As per sample)		4	20000	80000
2	Armless Sofa Seat	Structure made of solid keeker/ jamin wood. Best quality foam and leatherette (As per sample)		4	15000	60000
3	Corner Table	size: 24" x 24" structure made of shesham wood, lower part, made of shesham win board, 16mm thick, edge covered with shesham wood, 12mm glass on top (As per sample)		1	16000	16000

<u>Controller Office</u>		-	-	-	-	-
1	Office Table with Side and back Rack	Size Table: 6’x3’x30” Overall structure made of MDF shehsam win board, 16mm thick without top, edge covered with shesham wood, 4 drawer cabinet with wheels, central lock and best quality handle, good quality railing, top made of shesham wood with 3 leatherette pieces, selected color, matt shine lacker finish ii. Size Side Rack: 42”x16”x30” Overall structure made of MDF shesham win board, 16mm thick, 1 keyboard tray, 1 CPU box, edge covered with shesham wood, selected color matt shine lacker finish, iii. Size back: 5’x16”x30” Overall structure, made of MDF shesham win board, 16mm thick, edge covered with shesham wood, 4 vertical door on front fix with kitchen hindges, two horizontal shelves, good quality lock with handle, selected color, matt shine lacker finish (As per sample)		1	150000	150000
2	Visitor Chair	Structure made of solid sheesham wood. Seat and back upholster with best quality foam covered with leatherite/fabric. Matt shine lacker finish (As per sample)		2	22000	44000
3	Revolving Chair	Seat and back made of 12mm thick, ply wood, covered with A grade foam and selected color leatherette, adjustable height, 120mm gas lift, 320mm dia, nylon base and wheel (As per sample)		1	30000	30000
4	Corner / Coffee Table	size: 24" x 24" structure made of shesham wood, lower part, made of shesham win board, 16mm thick, edge covered with shesham wood, 12mm glass on top (As per sample)		1	16000	16000
5	Sofa Seat (1+1)	Structure made of solid keeker/ jamin wood. Best quality foam and leatherette (As per sample)		2	22000	44000

CONTROLLER STAFF						
1	Revolving Computer Chair	Seat and back upholster with best quality foam covered with leatherite/fabric. Imported hydraulic jack and five star base (As per sample)		4	20000	80000
2	Armless Sofa Seat	Structure made of solid keeker/ jamin wood. Best quality foam and leatherette (As per sample)		4	15000	60000
3	Corner Table	size: 24" x 24" structure made of shesham wood, lower part, made of shesham win board, 16mm thick, edge covered with shesham wood, 12mm glass on top (As per sample)		1	16000	16000

Auditor Office		-	-	-	-	-
1	Table	Size: 5'x3', structure made of ash win board, edge covered with ash wood, 3 drawer cabinet with wheels, central lock and handle, selected color, matt shine lacker finish. 8mm glass on top (As per sample)		1	40000	40000
2	Armless Sofa Seat	Structure made of solid keeker/ jamin wood. Best quality foam and leatherette (As per sample)		2	15000	30000
3	Corner Table	size: 24" x 24" structure made of shesham wood, lower part, made of shesham win board, 16mm thick, edge covered with shesham wood, 12mm glass on top (As per sample)		1	16000	16000
4	Revolving Chair	Seat and back upholster with foam covered with leatherite/fabric with wooden Arms, Imported hydraulic jack and five star base. (As per sample)		1	24000	24000

Staff for Tr, Cont, Aud.						
1.	Staff Table	Size: 4'x2.5'x2.5', structure made of ash win board, edge covered with ash wood, 3 drawer cabinet with wheels, central lock and handle, selected color, matt shine lacker finish, 8mm glass on top (As per sample)		3	35000	105000
2.	Staff Revolving Chair	Seat and back made of 12mm thick, ply wood, covered with A grade foam and selected color leatherette, adjustable height, 120mm gas lift, 300mm dia, nylon base and wheel (As per sample)		3	16000	48000
3.	Staff Visiting Chair	Structure made of solid sheesham wood. Seat and back upholster with best quality foam and rexen. Matt shine lacker finish. (As per sample)		6	15000	90000
4.	Corner Table	size: 24" x 24" structure made of shesham wood, lower part, made of shesham win board, 16mm thick, edge covered with shesham wood, 12mm glass on top (As per sample)		1	16000	16000

Library						
1	Office Table with Side and back Rack	<p>Size Table: 6’x3’x30”</p> <p>Overall structure made of MDF shehsam win board, 16mm thick without top, edge covered with shesham wood, 4 drawer cabinet with wheels, central lock and best quality handle, good quality railing, top made of shesham wood with 3 leatherette pieces, selected color, matt shine lacker finish</p> <p>ii. Size Side Rack: 42”x16”x30”</p> <p>Overall structure made of MDF shesham win board, 16mm thick, 1 keyboard tray, 1 CPU box, edge covered with shesham wood, selected color matt shine lacker finish,</p> <p>iii. Size back: 6’x16”x30”</p> <p>Overall structure, made of MDF shesham win board, 16mm thick, edge covered with shesham wood, 4 vertical door on front fix with kitchen hindges, two horizontal shelves, good quality lock with handle, selected color, matt shine lacker finish</p> <p>(As per sample)</p>		1	160000	160000
2	Visitor Chair	<p>Structure made of solid sheesham wood. Seat and back upholster with best quality foam and rexen. Matt shine lacker finish</p> <p>(As per sample)</p>		2	22000	44000
3	Revolving Chair	<p>Seat and back made of 12mm thick, ply wood, covered with A grade foam and selected color leatherette, adjustable height, 120mm gas lift, 320mm dia, nylon base and wheel</p> <p>(As per sample)</p>		1	30000	30000
4	Corner / Coffee Table	<p>size: 24" x 24" structure made of shesham wood, lower part, made of shesham win board, 16mm thick, edge covered with shesham wood, 12mm glass on top</p> <p>(As per sample)</p>		1	16000	16000
5	Sofa Seat (1+1)	<p>Structure made of solid keeker/ jamin wood. Best quality foam and leatherette</p> <p>(As per sample)</p>		2	16000	32000

6	Open Book Wooden Shelves	Overall structure made of MDF lamination sheet, 16mm thick, 5 shelves, polish edge covered with seasoned shesham wood with (As per sample)		36	16000	576000
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LIBRARY STAFF						
1	Staff Table	Size: 4’x2.5’x2.5’, structure made of ash win board, edge covered with ash wood, 3 drawer cabinet with wheels, central lock and handle, selected color, matt shine lacker finish, 8mm glass on top (As per sample)		1	35000	35000
2	Staff Visiting Chair	Structure made of solid sheesham wood. Seat and back upholster with best quality foam and rexen. Matt shine lacker finish. (As per sample)		2	15000	30000
3	Revolving Chair	Seat and back upholster with foam covered with leatherite/fabric with wooden Arms, Imported hydraulic jack and five star base. (As per sample)		1	24000	24000

IT Lab						
1	Computer Chair	Seat and back upholster with best quality foam. Sprit polished. Imported hydraulic jack and five star base. (As per sample)		19	20000	380000

Faculty Block						
1	Teacher Table	Size: 5’x3’, structure made of ash win board, edge covered with ash wood, 3 drawer cabinet with wheels, central lock and handle, selected color, matt shine lacker finish. 8mm glass on top (As per sample)		20	40000	800000
2	Visitor Chair	Structure made of solid sheesham wood with foam covered with leatherite/fabric. Seat and back upholster (As per sample)		40	16000	640000
3	Revolving Chair	Seat and back upholster with foam covered with leatherite/fabric with wooden Arms, Imported hydraulic jack and five star base. (As per sample)		20	22000	440000
4	Cupboard	Size: 6’x3’ x 1.5 feet , structure made of ash veneer, 16mm thick, 4 horizontal shelves, front 2 doors, lock and handle, edge covered with ash wood selected color, (As per sample)		20	30000	600000

Dean Office		-	-	-	-	-
1	Office Table with Side and back Rack	Size Table: 6’x3’x30” Overall structure made of MDF shehsam win board, 16mm thick without top, edge covered with shesham wood, 4 drawer cabinet with wheels, central lock and best quality handle, good quality railing, top made of shesham wood with 3 leatherette pieces, selected color, matt shine lacker finish ii. Size Side Rack: 42”x16”x30” Overall structure made of MDF shesham win board, 16mm thick, 1 keyboard tray, 1 CPU box, edge covered with shesham wood, selected color matt shine lacker finish, iii. Size back: 6’x16”x30” Overall structure, made of MDF shesham win board, 16mm thick, edge covered with shesham wood, 4 vertical door on front fix with kitchen hindges, two horizontal shelves, good quality lock with handle, selected color, matt shine lacker finish (As per sample)		4	160000	640000
2	Visitor Chair	Structure made of solid sheesham wood. Seat and back upholster with best quality foam and rexen. Matt shine lacker finish (As per sample)		8	22000	176000
3	Revolving Chair	Seat and back made of 12mm thick, ply wood, covered with A grade foam and selected color leatherette, adjustable height, 120mm gas lift, 320mm dia, nylon base and wheel (As per sample)		4	30000	120000
4	Corner / Coffee Table	size: 24" x 24" structure made of shesham wood, lower part, made of shesham win board, 16mm thick, edge covered with shesham wood, 12mm glass on top (As per sample)		4	16000	48000
5	Sofa Seat (1+1)	Structure made of solid keeker/ jamin wood. Best quality foam and leatherette (As per sample)		8	22000	176000

Dean Office STAFF						
1	Revolving Computer Chair	Seat and back upholster with best quality foam covered with leatherite/fabric. Imported hydraulic jack and five star base (As per sample)		4	20000	80000
2	Armless Sofa Seat	Structure made of solid keeker/ jamin wood. Best quality foam and leatherette (As per sample)		8	15000	120000
3	Corner Table	size: 24" x 24" structure made of shesham wood, lower part, made of shesham win board, 16mm thick, edge covered with shesham wood, 12mm glass on top (As per sample)		4	16000	64000

Student Female Common Room						
1	Sofa Seat (3+3+3)	Structure made of solid keeker/ jamin wood. Best quality foam and leatherette (As per sample)		9	22000	198000
2	Central Table	size: 48" x 24" structure made of shesham wood, lower part, made of shesham win board, 16mm thick, edge covered with shesham wood, 12mm glass on top (As per sample)		3	22000	66000
3	Cupboard	Size: 6’x3’ x 1.5 feet , structure made of MDF, shesham win board, 16mm thick, 4 horizontal shelves, front 2 doors, lock and handle, edge covered with shesham wood selected color, (As per sample)		1	25000	25000

Multipurpose Hall						
1	Ceremonial Table	Size: 6’x2.5’x2.5’ Overall structure made of MDF shehsam win board, 16mm thick with top, edge covered with shesham wood, matt shine lacker finish (As per sample)		2	22000	44000
2	Ceremonial Chair (Low and high back)	Structure made of solid sheesham wood. Seat and back upholster with best quality foam. Matt shine lacker finish (As per sample)		1 set (5)	150000	150000

Lot # 1: The furniture shall be as per sample. Foam shall be number one quality, made of Molty/Diamond covered with leatherite/fabric. The polish shall be of Matt Shine Lacquer Finish. The Lot shall be awarded on total evaluated cost of all items. The bidder shall provide sample of Tables, Revolving Chair, Visitor Chair, Single Sofa Seat and Corner Table etc. before financial opening if required by the committee. The committee will evaluate the samples before financial opening. The lowest bidder sample will be adjusted against the supply order.

Lot # 2

Sr. #	Particulars	Estimated Qty.	Estimated Cost	Total
1.	Classroom Desk with Bench (Joint) Desk Top Width:14" Desk Front Width:16" Bench Width:14" Structure made of 1"x2" MS pipe 18 guage with brown ICI enamel paint. Seat, top and desk front made of 16mm lamination board with all exposed edges covered with solid sheesham wood. All wooden edges finished with sprit polish.(estimated space for 1 student should be 19 inch in 8 rft bench) (As per sample)	4100 RFT	Rs.3500/- per RFT	14350000
2.	Lab Stool Size: 14'x27" Overall structure made of shesham wood, top frame, 14x14, weaving with natural cane, four legs, 1.5" x1.5" and polish (As per sample)	30	7000	210000
3	Student Study Table Size: 6'x3', overall structure made of MS pipe, 1.5" square of 18 gauge with powder coating and top made of 16mm MDF edge covered with season shesham wood with polish (As per sample)	13	16000	208000
4	Student Study Chair Overall structure made of MS pipe, 1" square of 18 gauge with powder coating and seat and back with foam of 2 and 1.5" respectively covered with leatherite/fabric (As per sample)	78	7000	546000
5	Steel Almirah, Printed sheet 6*3 as per sample 24 guage sheet	20	35000	700000

Lot # 2: The furniture shall be as per sample. Foam shall be number one quality, made of Molty/Diamond covered with leatherite/fabric. The polish shall be of Matt Shine Lacquer Finish. The committee will evaluate the samples before financial opening if required. The lowest bidder’s sample will be adjusted against the supply order.

LOT # 3

<u>Guest House</u>		-	-	-	-	-
1	Living Room Sofa Seat (3+2+1+1)	Structure made of solid keeker/ jamin wood. Best quality foam and fabric (As per sample)		7	22000	154000
2	Corner Table	size: 24" x 24" structure made of shesham wood, lower part, made of shesham win board, 16mm thick, edge covered with shesham wood, 12mm glass on top (As per sample)		2	16000	32000
3	Centre Table	size: 48" x 36" structure made of shesham wood, lower part, made of shesham win board, 16mm thick, edge covered with shesham wood, 12mm glass on top (As per sample)		1	22000	22000

4	Console For LED	Table size: 72" x 18" x 30" structure made of 16 mm MDF sheesham veneer board. All edges covered with sheesham wood. Top thickness 32mm. Matt shine lacker finish and 8mm glass on top (As per sample) .		1	35000	35000
5	Doble Bed with 02 Side Tables and Mattress	size: 72" x 78" Headboard and legboard structure made of solid sheesham wood with 16 mm MDF panels inside.inside mattress structure consist of 02 parts and made of solid keeker or jamin wood with 08 legs. Best quality finished and mattress 8" Molty/Diamond number 1 quality (As per sample)		1	160000	160000
6	Bedroom Chair with Coffee Table (2 Chair + 1 Coffee Table) = 1 Set	Structure made of solid sheesham wood. Seat and back upholster with best quality foam and leatherite/fabric. Sprit polished (As per sample)		4	20000	80000
7	Corner Table	size: 24" x 24" structure made of shesham wood, lower part, made of shesham win board, 16mm thick, edge covered with shesham wood, 12mm glass on top (As per sample)		1	16000	16000
8	Single Bed with 01 Side Table and Mattress	size: 42" x 78" Headboard and legboard structure made of solid sheesham wood with 16 mm MDF panels inside.inside mattress structure consist made of solid keeker or jamin wood with 04 legs. Best quality finished and mattress 6" Molty/ Diamond number 1 quality (As per Sample)		4	75000	300000
9	Single Bed Mattress	Size: 3.5' x 6.5', 8" thick Molty/ Diamond number 1 quality		3	25000	75000
10	Study Table with Study Chair	Table Size: 42"x24"x30"Frame made of shesham wood with one drawer with railing, spirit polish, good quality handle Chair: Frame made of shesham wood, seat and back foam, covered with selected color with leatherette		3	35000	105000

The furniture shall be as per sample. Foam shall be number one quality, made of Molty/Diamond covered with leatherite/fabric. The polish shall be of Matt Shine Lacquer Finish. The Lot shall be awarded on total evaluated cost of all items. The committee may evaluate the samples before financial opening if required. The lowest bidder sample will be adjusted against the supply order.

LOT # 4

Sr. #	Particulars	Qty.	Estimated Cost
1.	Blinds /Curtain (complete in all respect) (As per Sample)	2600 SFT	Rs.350/-SFT

Note: the vendor shall provide sample of lot #4.

**LOT # 5
CROCKERY**

Sr. #	Name of Items	Description	Qty.	Estimated Cost
1	Dinner Plate	As per Sample	66 Nos.	Rs.19,00,000/- Complete Crockery
	Quarter Plate	As per Sample	66 Nos.	
	Tea Cup	As per Sample	66 Nos.	
	Tea Saucer	As per Sample	66 Nos.	
	Sweet Bowl	As per Sample	66 Nos.	
	Soup Cup D/H	As per Sample	66 Nos.	
	Soup Saucer	As per Sample	66 Nos.	
	Plater Dish	As per Sample	24 Nos.	
	Plater Dish Oval	As per Sample	24 Nos.	
	Bowl Round Small	As per Sample	1 No.	
	Bowl Round Large	As per Sample	13 Nos.	
	Bowl Square Small	As per Sample	13 Nos.	
	Bowl Square Large	As per Sample	13 Nos.	
	Tea Pot Large	As per Sample	11 Nos.	
	Milk Pot	As per Sample	11 Nos.	
	Suger Pot	As per Sample	11 Nos.	
	Salt Pot	As per Sample	11 Nos.	
	Pepper Pot	As per Sample	11 Nos.	
	Tooth Pick	As per Sample	11 Nos.	
	Chilling Sauce Set	As per Sample	11 Nos.	
	Table Fork	As per Sample	66 Nos.	
	Table Spoon	As per Sample	66 Nos.	
	Desert Spoon	As per Sample	66 Nos.	
	Tea Spoon	As per Sample	66 Nos.	
	Soup Spoon	As per Sample	66 Nos.	
	Table knife	As per Sample	66 Nos.	
	Desert Fork	As per Sample	66 Nos.	
	Donga & Dish Spoon	As per Sample	66 Nos.	
	Soup Ladle	As per Sample	11 Nos.	
	Cake Tong	As per Sample	11 Nos.	
	Thermos 1 Liter	As per Sample	11 Nos.	
	Thermos 2 Liter	As per Sample	2 Nos.	
	Hot Pot	As per Sample	12 Nos.	
	Ash Tray	As per Sample	11 Nos.	
	Bread Basket	As per Sample	11 Nos.	
	Napkin	As per Sample	66 Nos.	
	Tray Grip No.1	As per Sample	11 Nos.	
	Tray Grid No.2	As per Sample	11 Nos.	
	Tray Grip No.3	As per Sample	11 Nos.	
	Table Mat	As per Sample	66 Nos.	
	Glass	As per Sample	66 Nos.	
	Dust Bin Steel/Padle	As per Sample	1 No.	
	Dust Bin Steel Small	As per Sample	50 Nos.	
	Dust Bin Steel Large	As per Sample	2 Nos.	
	Glass Nova	As per Sample	10 Dozen	
	Plate Rack	As per Sample	11 Nos.	
	Glass Rack	As per Sample	11 Nos.	
	Knife Small	As per Sample	11 Nos.	
	Knife Medium	As per Sample	11 Nos.	
	Knife Large	As per Sample	11 Nos.	
	Tea Stainer Small	As per Sample	11 Nos.	
	Tea Stainer Medium	As per Sample	22 Nos.	
	Tea Stainer Large	As per Sample	22 Nos.	

	Potato Peeler	As per Sample	02 Nos.	
	Swire Small	As per Sample	02 Nos.	
	Cooking Spoon	As per Sample	02 Nos.	
	Pawa Large	As per Sample	11 Nos.	
	Tong	As per Sample	11 Nos.	
	Magnet Bar	As per Sample	11 Nos.	
	Oil Conditioner	As per Sample	11 Nos.	
	Masalah Box Steel	As per Sample	1 No.	
	Pressure Cooker	As per Sample	1 No.	
	Cutting Board	As per Sample	11 Nos.	
	Cooking Pot Steel Small	As per Sample	11 Nos.	
	Cooking Pot Steel Medium	As per Sample	1 No.	
	Cooking Pot Steel Large	As per Sample	1 No.	
	Tawa	As per Sample	1 Set	
	Beilen Set	As per Sample	1 Set	
	Fry Pan	As per Sample	11 Nos.	
	Sauce Pan	As per Sample	11 Nos.	
	Sauce Pan	As per Sample	11 Nos.	
	Baby Pawa	As per Sample	11 Nos.	
	Electric Kettle	As per Sample	11 Nos.	

Note: The Lot shall be awarded on total evaluated cost of all items and vendor shall also provide sample of each item.

Electrical & Miscellaneous Items

Sr. #	Name of Items	Description	Qty.	Estimated Cost
1.	Holy Quran	As per sample	4	Rs.2000/-E
2.	Towel Medium	As per sample	100	Rs.900/-E
3.	Blanket for double bed and Ten for single bed, one sheet with one pillow and liner) Each Set includes	As per sample	12 Set	Rs.15300/-Each Set
4.	Prayer Mat	As per sample	25	Rs.1350/-E
5.	Clock	As per sample	20	Rs.2100/-E
6.	Floor Lamp	As per sample	2	Rs.18000/-E
7.	Table Lamp	As per sample	3	Rs.3500/-E
8.	Chandelier	As per sample	1	Rs.75000/-E
9.	Planter (Steel) Size 16”x16” Brass Color	As per Sample	15	Rs.6000/-E
10.	Planter (Steel) Size 12”x12” Brass Color	As per Sample	5	Rs.4500/-E
11.	Planter (Steel) Size 8”x8” Brass Color	As per Sample	5	Rs.3200/-E
12.	Smart 4K LED TV 43”4K (HDR),HDMI 2.1,Dolby Vission,Google Assitant, Hands free voice control, Andriod 11 with wall mount kit, remot control 220 volt,50 Hz Standard Warrantee	-	3	Rs.150,000/-E
13.	Smart 4K LED TV 65” 4K (HDR),HDMI 2.1,Dolby Vission,Google Assitant, Hands free voice control, Andriod 11 with wall mount kit, remot control 220 volt,50 Hz Standard Warrantee	-	1	Rs.210,000/-E
14	Refrigerator full size 16 cubic feet Inverter	-	9	Rs.110,000/-E
15	Microwave Oven 60-65 Liter (inverter)	-	2	Rs.60,000/-E
16	Microwave Oven 30-35 Liter Inverter	-	7	Rs.45,000/-E
17	Stove with 3 Burner	As per sample	1	Rs.15,000/-E

18	Stove with 2 Burner	As per sample	11 Nos.	Rs.12,000/-E
19	Chandelier	As per sample	10 Nos.	Rs.100,000/-E
20	Hanging Light	As per sample	20 Nos.	Rs.25000/-E
21	Carpet with laying	As per sample	1000 feet	Rs.500/-feet
22	Plastic Prayer Matt	As per sample	2000 feet	Rs.20/-feet

The vendor shall provide sample of each item at Sr#1 to 11and 18 to 22.

IT EQUIPMENT

BOQ for IT Infrastructure
University of Kamalia, Kamalia

Sr. #	Items	Technical specifications	Qty	Unit price	Total Price
Lot-6: DATA NETWORK (Turnkey basis)					
1	Optical fiber	Outdoor steel tape direct buried single mode optical fiber 12 core cable (in meter). Support long-haul transmission Networks, Metropolitan networks. Fiber type: G.652. Operating temperature range: -10 to +70 degree C. Dual PE sheath. Jelly filed for protection from water and moisture. High tensile strength. Multi-tube fiber cable. (In meter)	700	400	280,000
2	Rack mountable ODF	Rack mountable 12 Port ODF with SC Couplers, Metal Body. Slide-out type Fiber Patch panel with all accessories (Single Mode SC or LC Pigtail, SC or LC adapters etc). ODF 12 Port duplex Rack Mount with SC Coupler and pigtails (Single Mode fiber Optics Pigtails with SC Connector) – Per unit	8	75,000	600,000
	Rack mountable ODF	Rack mountable 96 Port OFDF with SC Couplers, Metal Body. Slide-out type Fiber Patch panel with all accessories (Single Mode SC or LC Pigtail, SC or LC adapters etc). OFDF 48 Port duplex Rack Mount with SC Coupler and pigtails (Single Mode fiber Optics Pigtails with SC Connector) – Per unit	1	275,000	275,000
3	Fiber Pigtail	Single Mode Fiber Optics Pigtails with SC connector. Cable Sheath Material: PVC Color. Random Connector, Connector End: 1xSC connectors single mode. Operating Temperature: -10°C to 60°C – Per unit	200	800	160,000
4	Fiber Patch Cord	Single Mode fiber patch cord SC/LC (3 Meter Duplex), Cable Sheath Color: Yellow, Operating	18	4,000	72,000

		Temperature: 10°C to 60°C -- Per Unit			
5	UTP Cable	Cat-6 UTP 4 pair cable. Conductor: Solid Bare Copper AWG 23. (305 meter)	15	58,000	870,000
6	Patch Panel	24 port UTP patch panel with fully loaded RJ-45 I/O. Material: power coated. Front traceable LED indicator. Rear cable manager. IDC: Phosphor bronze. RJ-45 pin physical characteristics: 50 micro inch gold plating. RJ-45 supported AWG: 22~26AWG. Supported standards: ANSI/TIA 568.2-D Category 6. – Per unit	5	53,000	265,000
	Patch Panel	48 port UTP patch panel with fully loaded RJ-45 I/O. Material: power coated. Front traceable LED indicator. Rear cable manager. IDC: Phosphor bronze. RJ-45 pin physical characteristics: 50 micro inch gold plating. RJ-45 supported AWG: 22~26AWG. Supported standards: ANSI/TIA 568.2-D Category 6. – Per unit	3	97,000	291,000
7	Patch Cable	UTP Cat VI patch cable (3 meter). AWG: 24. Insulation: HDPE. RJ45 Pin: Gold plating (50 mircoinch). Plug Insertion Life Span: ≥1000 times. Conductor: Stranded Bare Copper. Material: PVC. Color: Blue. Compliance: ANSI/TIA 568.2-D Category 6. Strain relief protection boots. – Per unit	216	1,300	280,800
	Patch Cable	UTP Cat VI patch cable (1 meter). AWG: 24. Insulation: HDPE. RJ45 Pin: Gold plating (50 mircoinch). Plug Insertion Life Span: ≥1000 times. Conductor: Stranded Bare Copper. Material: PVC. Color: Blue. Compliance: ANSI/TIA 568.2-D Category 6. Strain relief protection boots. – Per unit	216	970	209,520
8	Dual Shutter Face plate With Back box	Dual shutter faceplate with local back box. Dust proof shutter. Label management. Mechanical characteristics material: ABS. – Per unit	220	550	121,000
	RJ45 I/O	CAT-6 RJ-45 tool-less (I/O). Housing: Zinc alloy. IDC: Phosphor bronze. RJ45 Pin: Atleast 50 microinch gold plating. Supported AWG: 22~26AWG. Plug insertion: ≥1000 times. – Per unit	216	950	205,200
	RJ11 I/O	RJ-11 tool-less I/O to terminate 2 core copper telephone cable. – Per unit	50	380	19,000

9	Conduit pipe	Conduit pipe 2" with bends and fitting material (Local) –per ft	300	200	60,000
10	Data Cabinet (9U)	Wall mount 9U double section Data Cabinet with tempered glass lockable door. static load capacity 30KG. 16-18 SWG body with 2 Fans and 8 Port PDU (verified by ROHS, CE or equal) – Per unit	8	53,000	424,000
	Data Cabinet (24U)	Wall mount 24U double section Data Cabinet with tempered glass lockable door. static load capacity 30KG. 16-18 SWG body with 2 Fans and 8 Port PDU (verified by ROHS, CE or equal) – Per unit	1	110,000	110,000
11	Duct (16x25)	PVC Duct 16x25, Adamjee of equal (Per Length)	As per actual	800	
	Duct (25x25)	PVC Duct 25x25, Adamjee of equal (Per Length)	As per actual	950	
	Duct (25x38)	PVC Duct 25x38, Adamjee of equal (Per Length)	As per actual	1,250	
12	PVC pipe	PVC flexible pipe 1-inch (per ft)	300	80	24,000
13	HDPE pipe	HDPE pipe (2 inch) – Local, (per ft)	500	150	75,000
14	Diging filling and laying fiber optic cable	Soft Digging with refilling (Sand, Warning tap, Bricks, Included) (Running ft)(4 ft Depth*2 ft Width)	300	800	240,000

15	Firewall	<ul style="list-style-type: none">• Support UTM features including firewall, DPI, IPS, antivirus, anti-spam and content filtering services.• 4 x GE (RJ-45) and 4 x GE optical interfaces (SFP) with optical modules.• Firewall throughput: 8 Gbps. IPS throughput: 2 Gbps. IPSec VPN throughput: 7 Gbps. Number of concurrent session: 6 Million.• Capable of detailed reporting mechanism.Security FeaturesTime, Content, User, Application Attack• Eight authentication methods (local, RADIUS, TACACS, SecureID, AD, CA, LDAP, and Endpoint Security)• Identification of over 5000 application protocols, application-specific action, and online update of protocol databases• Recognition of viruses, Trojan horses, and malware hidden in applications through combination of application identification and virus scanning• Identify file types and sensitive information to prevent information leaks• Over 4000 signatures for attack identification.• Protocol identification to defend against abnormal protocol behaviors• Supports user-defined IPS signatures• Defense against DDoS attacks, such as the SYN flood and UDP flood attacks• VPN technologies: IPSec VPN, SSL VPN, L2TP VPN, MPLS VPN, and GRE Routing• IPv4: static routing, RIP, OSPF, BGP, and IS-ISWorking mode and availability• Transparent, routing, or hybrid working mode and high availability (HA), including the Active/Active and Active/Standby mode	1	3,000,000	3,000,000
16	Layer 3 Core Switch	24 GE SFP Ports, modular uplink Switch, 10/100/1000 or Multi-gigabit copper ports: 24x 1G SFP, DRAM: 8 GB (minimum), Flash: 16 GB (minimum), VLAN IDs: 4094 (minimum), Switched Virtual Interfaces (SVIs): 1000 (minimum), Jumbo frames: 9198 bytes (minimum), Switching capacity: 208 Gbps or higher, Forwarding rate: 154.76 Mpps or higher, IPv4 routing entries: 32,000 or higher, IPv6 routing entries: 16,000 or higher, Multicast routing scale: 8000 or	1	7,681,700	7,681,700

		higher, QoS scale entries: 5120 or higher, ACL scale entries: 5120 or higher.			
17	Access Layer Switch	24-port fixed 1G uplinks data only, 4X1G SFP uplinks, DRAM: 8 GB (minimum), Flash: 16 GB (minimum), VLAN IDs: 4094, Switched Virtual Interfaces (SVIs): 1000 (minimum), Jumbo frames: 9198 bytes (minimum), Switching capacity: 56 Gbps or higher, Forwarding rate: 41.66 Mpps or higher	5	850,000	4,250,000
		48-port fixed 1G uplinks data only, 4X1G SFP uplinks, DRAM: 8 GB (minimum), Flash: 16 GB (minimum), VLAN IDs: 4094, Switched Virtual Interfaces (SVIs): 1000 (minimum), Jumbo frames: 9198 bytes (minimum), Switching capacity: 56 Gbps or higher, Forwarding rate: 41.66 Mpps or higher	3	1,255,200	3,765,600
18	SFP Transceiver	SFP 1Gig Single-mode 10KM Optical/LX/LH Transceiver module (capable to work with CISCO and Huawei devices). (per unit)	18	150,000	2,700,000
		SFP 1Gig Single-mode electrical/TX module (capable to work with CISCO and Huawei devices). (per unit)	4	100,000	400,000
19	Access Point	Simultaneous 2.4GHz 450 Mbps and 5GHz 1300 Mbps connections for 1.75Gbps of total available bandwidth. Supports 802.11ac standard - Standards: IEEE 802.11ac/n/a 5 GHz, IEEE 802.11n/b/g 2.4 GHz. WiFi Speeds: 5 GHz: 1300 Mbps (802.11ac), 2.4 GHz: 450 Mbps (802.11n). WiFi Capacity: Dual-Band. Working Modes: Router Mode, Access Point Mode Ethernet Ports: 1x Gigabit WAN Port, 4x Gigabit LAN Ports	15	35,000	525,000
20	Installation, Commissioning and testing Charges	Installation & commissioning charges	1	500,000	500,000
Total for Data Network					27,403,820
Lot-7: Class Room Solution (Turnkey basis solution)					

1	Touch Screen Interactive display with sound system and stabilizer	Screen Size: 86 inch LED Backlight. Backlight DLED. Atleast pixel pitch 0.164 (H) × 0.493 (V) mm. supported resolution: 3840 × 2160@60 Hz. Brightness 350 cd/m². Contrast Ratio 1200:1. Anti-glared. Viewing Angle: 178°(H)/178°(V). Minimum response Time 6ms. Supported Operating System Android 8.0 and Windows. Built-in system: Andriod operating system. processor: 4-core A73 × 2 + A53 × 2, 1.5 GHz or higher with memory 3GB and 32GB storage for Android. Additional system: Intel Core i5 7400 3.0GHz or higher for Windows. Socket platform: Intel socket 1151: Skylake or equivalent. Memory 8GB, 128GB SSD storage. 6 × USB 3.0. HDMI. 1 x DP interface, Gigabit LAN. Intel Integrated Graphics. Wifi. Built in White board features with different mathematical shapes and internet browsing. Built in screen mirroring feature for Android, IOS, Windows devices and support simultaneous connectivity of up-to 4 users. Touch: Infrared touch screen. Tempered glass being anti-glare and explosion-proof. Touch Point 20 point multi-touch. Touch Response Time: <10 ms. Touch and writing Precision ± 1 mm (≥ 90% touching area). Interfaces: Video & Audio Input HDMI IN × 2, MAX 4 K @ 60 Hz, LINE IN × 1. Video & Audio Output HDMI OUT × 1, MAX 4K @ 60 Hz, LINE OUT × 1. Built-in 2 × 16W loudspeakers. Built-in BLE (Bluetooth Low Energy) module supports Bluetooth 5.0. Camera: Built-in atleast 8 MP Camera. Support smart switch between Android system and OPS. Field Angle 100 °(diagonal), 90°(horizontal), 66°(vertical), Distortion ≤1%. Camera Resolution Ratio: Up to 4K. Microphone: Built in Omni-directional MIC 6-array layout with noise cancellation, pick up distance 8 meter. Working Life (in hours): at-least 100,000 or higher. Wall mount frame with allied accessories.	17	1,630,000	27,710,000
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		Sound System with wiring include duct and fitting material (two speakers/unit with built in microphone): 1 x Mic single zone. 2 x ceiling Speakers with built in microphone (6watt each). Amplifier 60watts with 3 input and 1 x output (per unit).	17	100,000	1,700,000
		Stabilizer 1000VA: Response time: at-least 0.5 sec. against 10% input voltage deviation. Supported output voltage: 100V & 220V. Pure sine wave, Support surge protection, Supported frequency: 50Hz / 60Hz. Support short circuit and overload protection. Support servo motor control (per unit).	17	45,000	765,000
2	Cabinet	12 U cabinet with PDU (12) sides openable	17	90,000	1,530,000
3	Installation	Installation & commissioning charges	1	500,000	500,000
Total for Smart Class Rooms Solution					32,205,000
Lot-8: Surveillance System (Turnkey basis solution)					
1	IP Cameras	IP Camera: At-least 4 MP Fixed Bullet Network Camera, Image Sensor: At-least 1/3" Progressive Scan CMOS Min. Illumination, Color: At-least 0.028 Lux @ (F2.0, AGC ON), 0 Lux with IR, Shutter Speed: At-least 1/3s to 1/100,000s, Wide Dynamic Range: 120dB, Day & Night: ICR Cut, Angle Adjustment, Pan: 0° to 360°, tilt: 0° to 180°, rotate: 0° to 360°, Lens Type & FOV: At-least 4 mm, horizontal FOV 75°, vertical FOV 41°, diagonal FOV 88°; 6 mm, IR Range: 50 m, Protection: Ingress protection: IP67	24	28,000	672,000
2	Network Video Recorder with LED	64-channel NVR. At-least 12 MP resolution. At-least 320 Mbps incoming bandwidth. Support 256 Mbps outgoing bandwidth. Support 120+ remote connections. Recording resolution support: 12 MP / 8 MP / 6 MP / 5 MP / 4 MP / 3 MP / 1080p / UXGA / 720p / VGA / 4CIF / DCIF / 2CIF / CIF / QCIF. Support Decoding formats: H.265+ / H.265 / H.264 / H.264+ / MPEG4. Live view / Playback resolution support: 12 MP / 8 MP / 6 MP / 5 MP / 4 MP / 3MP / 1080p / UXGA / 720p / VGA / 4CIF / DCIF / 2CIF / CIF / QCIF. Synchronous playback support: 16ch. Supported protocols: TCP/IP, DHCP, Cloud P2P,	1	850,000	850,000

		DNS, DDNS, NTP, SADP, SMTP, NFS, iSCSI, HTTPS. Support at-least 8 x SATA and 1 x eSATA interfaces. Support Alarm I/O: 16/4. HDMI1 Video output up to 4K (3840 x 2160) resolution. 20 TB usable storage capacity.			
3	LED for IP Cameras	LED: 55" Android 4k LED TV. Wifi, Bluetooth, HDMI, Stand with allied accessories	1	400,000	400,000
4	UTP Cable	Cat 6 UTP 4 pair cable. Conductor: Solid Bare Copper AWG 23. Insulation: HDPE. Conductor Dia Norm: 0.57. Outer Sheath: PVC. Outer Diameter: Atleast 6.3±0.3mm. Standard Compliance: ISO/IEC 11801, ANSI/TIA.EIA-568.2-D, IEC 61156-5, EN 50399, EN 50173-1. Filler: PE. At-least 305 meter reel. (per role)	3	58,000	174,000
5	Installation	Installation & commissioning charges	1	200,000	200,000
Total of Surveillance System					2,296,000
Lot-9: IP PABX / VOIP Solution (Turnkey basis)					
1	IP PABX/VOIP Solution	General Specifications (for Hybrid IP PABX solution):• Support 50 telephone extensions at initial stage; whereas expandable upto 350+ lines at later stage. Capable to communicate with remote side exchanges over IP network. Capable to work with Analog, IP, SIP & Video phones. IP PABX should include required interface to connect 8 PTCL/NTC Analog trunk lines at initial stage; whereas it should be expendable at later stage. Should have at-least one (01) PRI/E1 interface. Length of cable from MDF to Analog gateway should be at-least 10 meter. Support local survival when detecting a disconnection from the IP PABX system at the Main Campus. Voice Gateway shall provide local survival for processing users call, providing voice and video communication for local user and supporting local PSTN incoming and outgoing calls. Exchange should include Licenses to connect 20 Analog and 30 Executive Digital extensions. Exchange should include dual Operator consoles. IP PABX should be PTA Type approved Exchange. Offered	1	4,800,000	4,800,000

		<p>System shall be internationally renowned and based on state-of-the-art technology that support Analog/Digital and IP & SIP users simultaneously. IP PABX should have provision of a combination up to 2,000 Analog or digital, or IP telephones (without replacing existing chassis but simply adding additional hardware/licenses only), with the ability to connect Analog & Digital trunks i.e., H.323, SIP, PRI E1, T1/SIP. Offered system should have provision for high-availability. System should be capable to support distributed architecture. Customer should have option to install Media Gateways / Chassis at more than one location with survivability features. Support H.323. Support multi-site Network with up-to 2,000 users. Offered system should have provision a range of messaging, auto-attendant capabilities. Support QoS standards (802.1Q (Layer 2), DiffServ (Layer 3), Port Range (Layer 4), 802.1X (MD-5). Support VoIP standards (H.323, Q.931, H.255, H.245, SIP, T.38). Support Codecs G.723, G.729, G.711. Shall have E1 / 2Mbps. Support Network protocols (i.e. PPP, LCP, ML-PPP, IPCP, IPHC, RTP, RTCP, CHAP, CCP, LDAP, UDP, TCP, IP, NAT, TFTP, NTP). Support user features like Make Call, On hook dialing, Call Transfer, Call Hold, Call forward Busy, Call Forward all calls, Call Forward No Answer, Group Pickup, Direct Pickup.</p>			
2	Telephone cables & component	4 core flexible telephone cable coil, Coil/Length 500 meters – Per role (PTCL Standard)	4	18,000	72,000
		25 pair outdoor armored telephone cable. Conductor Material: 24 AWG solid bare copper, Diameter: 0.525mm, Primary Insulation: Polyethylene, Direct buried / Armored material (per meter) - PTCL Standard	500	610	305,000
		Local Tag block IDC Connector with distribution box (for Data Centre). Capacity: minimum 100 re-termination, Contact material: Phosphor bronze, Contact plating: Sn/Pb over NiWire Size:	1	18500	18,500

		2 x 22-26 AWG - PTCL Standard			
		Local Tag block IDC Connector with distribution box, Capacity: minimum 25 pairs re-termination, Contact material: Phosphor bronze, Contact plating: Sn/Pb over NiWire Size: 2 x 22-26 AWG (for Multi-purpose hall & visiting faculty) - PTCL Standard	2	6500	13,000
		Local Tag block IDC Connector with distribution box, Capacity: minimum 10 pairs re-termination, Contact material: Phosphor bronze, Contact plating: Sn/Pb over NiWire Size: 2 x 22-26 AWG (for Store, Hostels) - PTCL Standard	6	5500	33,000
		Cable bix. Single Krone strip shall be capable to terminate 10 telephone cores – (Krone).	25	650	16,250
3	Installation & commissioning charges	Installation & commissioning charges	1	300,000	300,000
Total for IP PBAX / VOIP Solution					5,557,750
Lot-10 Video Conferencing System (Turnkey based solution)					
1	Video Conferencing System, LEDs, Speakers, Amplifier	Video Conferencing System with full HD Camera and MCU: Full HD 720p camera, 8 sites at 720p MCU codec, 2 x Microphone Array, cables, and remote control. Support H.323, SIP standards for communications. Support content sharing using standard based H.239 and BFCP over SIP. Support audio from PC used for content sharing. Video and Audio Inputs: 2 x HD inputs (for connecting main and secondary HD camera). 1 x HDMI input to connect PC/Laptop for sharing HD contents. 1 x interface for connecting VCR/DVD player. 2 x Microphone Input (Support for minimum 4 mics). Video and Audio Outputs: 2 x HDMI output for connecting main monitor & second monitor. 1 x HD output for connecting additional monitor or DVD recorder. 1 x RCA pair stereo line-out. Camera shall support 1080p60fps with 10x optical zoom. Support PAN Range of +/-90°, and Tilt of +/-20°. Network Features: H.323 and SIP bandwidth up to 6 Mbps.	1	6,700,000	6,700,000

		Multisite Feature: All components shall be from same manufacturer like Codec, camera and microphone. Support native integration with on premise Lync server & SFB server. Capable of enhancing video conferencing experience with advanced face-recognition technology (Automatically scan room and seamlessly handle main camera to appropriately frame participants during a call without manual intervention'). At-least 1 x Gigabit LAN port.			
		65" Smart LEDs for Syndicate Room and ICT Block: Picture: True 4K Resolution, UHD Processor, HDR (10+ Compatible), PurColor New Experience: Universal Guide, One Remote Function (IR Base), BT/Wifi, Auto Detection Design: Slim Design, Clean Cable Solution (Cable Clip).	2	650,000	1,300,000
		Line Array Speaker Frequency response, 1 meter on-axis, swept-sine in anechoic Environment: 174 Hz to 18 kHz (±3 dB with processing, Power Handling: 200W, Continuous 400W program 800 W peak, (minimum 2.83V input).	4	155,000	620,000
		Sound Amplifier: Power (Max/Rated) at-least 180W/120W, Inputs Mic 1 / 2: 1mV~250mV, 250ohm; Mic 3/ 4: -1mV, 250ohm; Line: -100mV, 47Kohm; CD: 500mV.	1	367,000	367,000
		HDMI cable (35 Meter)	1	55,000	55,000
		Speaker Wire 90 Meter - for speakers connections	1	80,000	80,000
Total of Video conferencing system					9,122,000

Computers and peripherals					
1	Laptop	11th Gen or higher Core i7, 16GB RAM, 1-TB HDD, 14.0" Full HD 1080p Display, Wifi, Camera, Carrying Case	8	450,000	3,600,000
2	Computer System	Computer System, 11th Gen or higher, Core i7, 16GB RAM, 1-TB HDD, Wifi, Ethernet	20	375,000	7,500,000
3	Network Printer / Photocopier	Brand New 45 PPM Photo Copier (Digital Copier, Network Printer, Color Scanner) 45PPM with A-4 size paper; Dual Scan document feeder; two trays for papers; Printing technology: Laser; Print resolution: 1200x1200 dpi; Scan resolution	4	1,000,000	4,000,000

		up to 600 x 600 dpi; Memory: 2GB; Magnification: 25-400%; Operation Panel: touch interactive; File formats: jpeg, tiff, pdf; Interface: USB, Ethernet 100/1000mbps; Duplex printing; Appropriate stand/trolley; three year onsite comprehensive warrantee (parts, Labour, etc)			
4	Projector/LED	Digital Projector Technology: DLP, Brightness:3500 lumens, Resolution: 1024*768, Aspect Ratio: 4:3 / 16:9. Motorized screen 10ft. 20 meter HDMI cable. Ceiling stand with allied accessories	17	245,000	4,165,000
5	UPS 1.5KVA	Output power capacity 900 Watts / 1.5kVA Max Configurable Power (Watts) 900 Watts / 1.5kVA Nominal Output Voltage 230V Output Voltage Distortion Less than 5. % at full load mains Topology Line interactive Waveform type Sine wave. Input Nominal Input Voltage 230V Input frequency 50/60 Hz +/- 3 Hz Auto-sensing one year Standard warranty	8	100,000	800,000
6	UPS 5KVA	5.0 kVA Max Configurable Power Nominal Output Voltage 230V Output Voltage Distortion Less than 5 % at full load mains Topology Line interactive Waveform type Sine wave. Input Nominal Input Voltage 230V Input frequency 50/60 Hz +/- 3 Hz Auto-sensing one year Standard warranty	1	850,000	850,000
Total for Computers and peripherals					20,915,000
Grand total					97,499,570

Following are mandatory term and conditions of Tender against IT equipment to be followed by participated firms: -

- One-year warranty of quoted IT solution.
 - Potential bidder shall have to submit bid against all items mentioned in particular lot (from lot 6 to 10). Partial bidding of equipment within particular lot of IT equipment is not acceptable.
 - Successful bidder shall have to deliver, install, commission and test IT equipment with all aspects as per University requirements.

ITEMS FOR UNIVERSITY HEALTH CENTER

Sr. No.	Name of Equipments	Specifications	Quantity	Estimated Cost with GST
1.	Mercurical Sphygmomamometer	Desk type Measure scope 0-300 Bladder= Latex Graduated glass tube Manual	03 No.	Rs.18900/- Each
2	Thermal Gun	At 380 digital Infrared thermometer LDC IR-32-380C	01 No.	Rs.4725/- Each
3	Nebulizer	Liter flow Range: 6.7 L/min. Average Nebulization Rate: 0.25ml/min. Sound Level: 65db(A) Particle Size: 0.5-10 um Operating Hunidity Range: 15 to 80% Operation Pressure Range: 9.5-19psi Compressure Pressure Range: 22-58 psi	02 No.	Rs.4725/- Each
4	Stethoscope	Littman Classic III Monitoring stethoscope with high acoustic sensitivity. Veerstile adult and pediatric 2-sided chestpiece Snap tight soft-sealing eartips Dual single-piece tunable diaphragms (pressure sensitive)	02 No.	Rs.27000/- Each
5	Weight Scale	150kg/10g MKF-150 16x20 inches Stainless steel	01 No.	Rs.4455/- Each
6.	Emergency Box	Total Weight: 3.5 kg Total Volume: .034 m3 Plastic Wall Mounted: 12x4x18 inch	01 No.	Rs.2430/-Each
7.	Patient Bed	Width: 36 inch Length: 88 inch Manual alongwith mattress	03 No.	Rs.15000/-Each
8.	Pulse Oximeter	PO-907 Battery 2x1.5v (AAA) DC 2.5-3V	02 No.	Rs.13500/- Each
9	Examination Couch	Length: 1930mm Width: 600mm Height: 800mm Frame: M.S/Stainless steel	01 No.	Rs.11475/- Each
10	I/V Drip Stand	Length: 6 ft 4 penal Frame: M.S/Stainless steel	03 No.	Rs.2970/- Each
11	X-Ray Illuminator (for medical X-Ray film)	For single film 360x440mm	01 No.	Rs. 2970/- Single/ Each
12	Ward Screen	Stainless steel Folding ,4 penal	01 No.	Rs.10125/- Each

Equipment for BS Chemistry				
Equipment/instruments/apparatus required to conduct chemistry labs				
Sr. No.	Item	Quantity	Justification	Estimated price (in millions)
1	Water bath	01	6 holes digital water bath	40000
2	pH meter	01	Range = -2.00 to 16.00 pH; Resolution = 0.01 pH; Accuracy = ± 0.01 pH, Cal. Points = upto 5.	70000
3	Water distillery unit	01	Minimum 5 L/h	90000
4	Analytical Balance	01	Capacity = 250 g; Readability = 0.01 g; pan size = minimum sq. 100 mm or more. Weighing units = g, mg, OZ; Stabilization time = upto 2 seconds; Power supply = suitable to operate at 220 V with or without adapter; Operating temperature = 0 - 40°C	100000
5	Top load balance	01	Capacity = 200 g; Readability = 1 mg; pan Size = minimum sq. 100 mm or more. Weighing units = g, mg, OZ; Stabilization time = upto 2 seconds; Power supply = Suitable to operate at 220 V with or without adapter; Operating temperature = 0 -40°C. Acceptable variation in the defined specifications is also accepted	10000
6	Automated Melting point apparatus	01	Digital Melting point apparatus, up to 350°C, for 3 samples, lighting and magnifying glass. Ready to operate at 120 volts input	70000
7	Digital Heating mental with magnetic stirrers	01	Capacity = 500ml, heating mode = surface heat conduction, speed range = 0-1600 rmp, temperature control range = RT+20-250°C, N.W (Kg) = 2.5, G.W (Kg)= 2.8, Voltage= 100-120V or 200-240V, Stir bar = PTFE, Motor power= 0.01 kW	50000
8	Hot plates with magnetic stir	01	Mode= Digital + Heating + Stirring, Speed = 200 rpm to 2000 rpm, Plate size = 190 x 190 mm, Maximum volume = 5000 ml, Plate load=10 kg, Working time = Continuous, Temperature = 350°C, Minimum revolution= 200 rpm, Heating plate = SS with Ceramic coating, Driving mode = Motor, Stir bar= PTFE, Sensor = PT100, Voltage = 110 V 50 Hz 220 V 60 Hz	70000
9	Vacuum pump with filtration assembly	01	Filtration Assembly, 1000ml Flask, 300ml Funnel, 47mm Vacuum Base with Sintered Disk and 47mm Clamp	50000
10	UV/Vis Spectrophotometer (double beam)	01	Wavelength Range = 190-1100nm, Spectral Bandwidth (Variable)= 0.5/1.0/2.0/4.0/5.0nm, Optical System= Double Beam, Grating 1200 lines/mm, Wavelength Accuracy = ± 0.3 nm, Wavelength Repeatability= ± 0.2 nm, Scanning Speed = HI, MED, LOW, MAX. 3000 nm/min, Photometric Accuracy = ± 0.3%T or ±0.002 A/h @ IA, Photometric Range = 0-200 %T, -0.3 to 3A, 0-9999 Conc., Stray Light= <0.05%T @ 220, 340 nm, Stability = ± 0.001 A/h @ 500 nm, Display = 5 inches Graphic LCD (320 x 240 dots), Baseline Flatness = ± 0.001 A/h (200 – 1000 nm), Sample Compartment = Standard 8 cell with automatic cell changer – 10 mm path-length, (50 & 100 mm path-length optional at extra cost), Light Source = Halogen and Deuterium lamps (Pre-Aligned), Output = USB Port for PC connectivity, parallel port for Dot Matrix Printer, Power = 230 V ± 10% AC, 50 Hz, Dimensions (L x B x H) = Instrument: 590 x 455 x 250 mm (Approx.) Box: 650 x 535 x 335 mm (Approx), Weight = Instrument: 17.5 Kg (Approx.) Box: 20 kg (Apprx.), Accessories = Quartz Cuvettes – A set of 2, Glass Cuvettes – A set of 4 Mains Lead, Operation Manual and Dust Cover	300000
11	Centrifuge machine	01	Max. Speed = 5000 rpm, Capacity = 12x20ml, Max. RCF = 3630*g, Power source = 220V 50 Hz 110V 60Hz, Package size = 35*34*36cm,	100000
12	Heating oven	01	Capacity = 32 Liter; Temperature Range = ambient +5 to 230°C (with digital display); Heater = 600 – 800 W; Must include at least two stainless steel shelves of adjustable position; Power supply = 220 (50/60 Hz)	90000
13	Conductivity/ TDS meter	01	Range = ...uS to 200.0 mS; Resolution = 0.01/0.1 uS % 0.01 / 0.1 mS; Accuracy = ± 1% full scale; Cal. Points = upto 5; Cell constant = 0.1, 1.0, 10.0 selectable. TDS ; Range = .. to 100.0ppt @ 0.5 fact; Resolution = 0.01 / 0.1/ 1 ppm & 0.01/0.1 ppt; Accuracy; ±1% full scale; Cal. Points = Manual (5 points) & Max. 1 per range. TDS factor = 0.40 to 1.00 (adjustable)	60000
14	Digital Refractometer	01	Bench type refractometer; Refraction index scale; Nd 1.300-1.700 Precision: Nd ± 0.0003 Division: Nd 0.0005 Sugars scale: 0-95% from Nd 1.300-1.530 Precision: 0-50% = 0.2%; 51-95% = 0.1% Division: 0,25% Thermometer scale: 0°C - 70°C, div. 1°C	70000
15	Shaking Incubator	01	Controlled temperature, shaking speed 0 to 300 rpm	70000
16	Fume hood	01	With corrosive reagents reaction and drainage lines, front screen, lights, gad, air and pipe lines	300000
17	Pipette (1, 5, 10 ml)	20 each	For performing lab experiments	250000

18	Volumetric flasks (10, 50, 100, 250, 500, 1000 mL)	20 each		
19	Measuring cylinders (10, 50, 100, 250, 500, 1000 mL)	20 each		
20	Burette (50 ml)	50		
21	Conical flask (100, 250 mL)	25 each		
22	Burette stands	50		
23	Separatory funnels (25, 50, 250 mL)	10 each		
24	Reagent bottles (100 mL)	50		
25	Test tubes	500		
26	Petri plates	50 each		
	China dish	50 each		
	Test tube stand	50 each		
	Total =			1790000

Chemicals for BS Chemistry

S.No.	Items Name	Quantity	Estimated Price of commercial grade chemical
1.	Aluminum Nitrate	1 kg	3000
2.	Ammonium Sulfate	2 kg	2000
3.	Aluminum Oxide	500 gm	2000
4.	Ammonium Per sulfate	1 kg	3000
5.	Ascorbic Acid	1 kg	2000
6.	Aniline	2ltr	6000
7.	Acetic Acid (HPLC)	2.5Ltr	5000
8.	Barium Chloride	500 gm	5000
9.	Boric Acid	2 kg	5000
10.	Calcium Chloride	500 gm	5000
11.	Calcium Sulphate	500 gm	5000
12.	Calcium Hydrogen Phosphate	500 gm	5000
13.	Calcium Hydroxide	1 kg	1000
14.	Calcium Nitrate	500 gm	1000
15.	Cadmium Chloride	500 gm	1000
16.	Cadmium Nitrate	500 gm	1000
17.	Cadmium Carbonate	500 gm	1000
18.	Ethidium Bromide	5 gm	2000
19.	Erichrome Black-T (EBT)	20 gm	5000
20.	Ethylenediaminetetra acetic Acid Disodium (EDTA)	1kg	5000
21.	Iron (II) Sulphate (Fes04)	1 kg	3000
22.	Iron (III) Nitrate (Fe(N03)3	500 gm	2000
23.	Iron (III) Chloride (Fecl3)	1 kg	1000
24.	Iron (II) Chloride (Fecl2)	1 kg	2000
25.	Potassium Ferrocyanide	01 Kg	3000
26.	Potassium Bromate	03 Kg	2000
27.	Potassium Dichromate	02 Kg	5000
28.	Potassium Dihydrogen Phosphate	02 Kg	3000
29.	Potassium Permanganate	02 Kg	5000
30.	Potassium hydroxide	02 Kg	2000
31.	Sodium Sulfate	01 Kg	5000
32.	Sodium Hydroxide	03 Kg	5000
33.	Sodium Bromide	01 Kg	2000
34.	Saccharose	02 Kg	3000
35.	Sodium Sulphide	01 Kg	1000
36.	Sodium citrate	02 Kg	5000
37.	Starch	02 Kg	5000
38.	Sodium Chloride	01 Kg	200
39.	Sodium Hydrogen Carbonate	01 Kg	5000
40.	Sodium Nitrate	01 Kg	5000
41.	Zinc Oxalate	100g	1000
42.	Zinc Acetate	250 gm	5000
43.	Zinc Sulphate	01 kg	1000
44.	Zinc Chloride	250gKg	1000
45.	Zinc Nitrate	500gram	1000
46.	Zinc Sulfate	01 Kg	1000
47.	Zinc Metal	5g	5000
48.	Zinc Powder	50g	5000
	Total =		149200

Equipment for BS Botany

Sr. No.	Name	Quantity	Estimated Unit Price (PKR)	Total (Rs)
1.	Barska 40x – 2000x Binocular Compound Microscope or Equivalent	5	300000	1500000
2.	OMAX 40X-2000X Digital Lab Trinocular Compound LED Microscope with 5MP Digital Camera or Equivalent	1	400000	400000
3.	Barska 20x 40x Stereo Binocular Microscope or Equivalent	2	200000	400000
4.	Dawlance 9188 LVS Refrigerator (14 Cu ft) or equivalent	1	100000	100000
5.	[UVD-2950] Spectro UV-VIS Double Beam PC Scanning Spectrophotometer or Equivalent	1	1000000	1000000
6.	Grieve LO-201C Lab Drying Oven or Equivalent	2	500000	1000000
7.	Shimadzu BL2200H Top Loading Balance or Equivalent	2	500000	1000000
8.	Sartorius ENTRIS224-1S Analytical Balance, 220x or Equivalent	1	100000	100000
9.	JSR JSHS-18A Analog Hotplate Stirrer or Equivalent	1	50000	50000
10.	Hanna HI5222 pH/ORP/ISE/Temperature Benchtop Meter or Equivalent	1	300000	300000
11.	Centrifuge 80-2 100 MLX 4 or Equivalent	1	500000	500000
12.	Hanna H198193 Portable Dissolved Oxygen and BOD Meter or Equivalent	1	300000	300000
Total				6650000

Practical for BS Botany Practical

Sr. #	Name of the Specimen	Required quantity	Price (Rs)	Total (Rs)
1.	Nostoc	3	150	450
2.	Anabaena	3	150	450
3.	Oscillatoria	3	150	450
4.	Chlamydomonas	3	150	450
5.	Spirogyra	3	150	450
6.	Chara	3	150	450
7.	Vaucheria	3	150	450
8.	Pinnularia,	3	150	450
9.	Ectocarpus	3	150	450
10.	Polysiphonia	3	150	450
11.	Mucor	3	150	450
12.	Penicillium	3	150	450
13.	Phyllactinia	3	150	450
14.	Ustilago	3	150	450
15.	Puccinia	3	150	450
16.	Agaricus	3	150	450
17.	Physcia	3	150	450
18.	Riccia	3	150	450
19.	Anthoceros	3	150	450

20.	Funaria	3	150	450
21.	Selaginella	3	150	450
22.	Psilotum	3	150	450
23.	Equisetum	3	150	450
24.	Marsilea	3	150	450
25.	Cycas	3	150	450
26.	Pinus	3	150	450
27.	Ephedra	3	150	450
28.	TS of Monocot Root	3	150	450
29.	TS of Monocot Stem	3	150	450
30.	TS of Monocot Leaf	3	150	450
31.	TS of Dicot Root	3	150	450
32.	TS of Dicot Stem	3	150	450
33.	TS of Dicot Leaf	3	150	450
Total				14850

Chemicals for BS Botany

Sr. No.	Name of Chemicals	Quantity (Units)	Estimated Cost per Unit (Rs.)	Total Cost (Rs)
1.	PEG-8000	1	4800/- kg	4800
2.	Trehalose	1	22000/- 250mg	22000
3.	Acetone	2	4800/- 2.5 lit	9600
4.	Sulphuric acid	4	4000/- 2.5 lit	16000
5.	TCA	1	3500/- 500 gm	3500
6.	Thiobarbituric acid	1	4800/- 25 gm	4800
7.	Zinc sulphate	2	4500/- kg	9000
8.	Iron sulphate	2	2300/- kg	4600
9.	Manganese sulphate	2	4800/- kg	9600
10.	Naphthalene acetic acid	1	9800/- 100 gm	9800
11.	K ₂ CO ₃	1	3500/- kg	3500
12.	Ca(NO ₃)	2	3000/- kg	6000
13.	Mg(NO ₃)	2	6500/- kg	13000
14.	KHCO ₃	2	2000/- kg	4000
15.	MFS buffer	1	13000/- lit	13000
16.	Salicylic acid	1	9800/- kg	9800
17.	Methanol	4	1400/- 2.5 lit	5600
18.	Phenol	1	3500/- kg	3500
19.	Agar	1	6500/- 500 gm	6500
20.	NaOH	1	1800/- kg	1800
21.	Petroleum ether	1	4800/- 2.5 lit	4800
22.	Sodium chloride	3	1200/- kg	3600
23.	Ethanol absolute	3	7000/- 2.5 lit	21000
24.	Potassium chloride	2	2200/- kg	4400
25.	Acetic acid	3	2400/- 2.5 lit	7200
26.	Boric acid	1	2200/- kg	2200
27.	FFC SOP	1	12000/- 50 kg	12000
28.	FFC MOP	1	9800/- 50 kg	9800
29.	Folic Ciocaltean reagent	1	18000/- 500 ml	18000
30.	Nutrient broth	1	6500/- 500 gm	6500
31.	Sulphosalicylic acid	1	9000/- kg	9000
32.	MgSO ₄	3	1400/- kg	4200
33.	K ₂ SO ₄	3	2200/- kg	6600

34.	KH ₂ PO ₄	3	2400/- kg	7200
35.	Di-sodium hydrogen phosphate	2	2800/- kg	5600
36.	Potassium dihydrogen phosphate	2	2800/- kg	5600
37.	Mortal and pestle	5	600/- kg	3000
38.	Methionine	1	9000/- 100 gm	9000
39.	Riboflavin	1	3500/- 25 gm	3500
40.	Fe Citrate	1	12000/- 250 gm	12000
41.	NH ₂ NO ₃	3	9800/- kg	29400
42.	KNO ₃	3	4800/- kg	14400
43.	Toluene	1	4000/- 2.5 lit	4000
44.	H ₂ O ₂	2	1200/- lit	2400
45.	Phenylenediamine	1	12000/- 100 ml	12000
46.	Bacto-agar	1	12000/- 500 gm	12000
47.	Trypton	1	8000/- 500 gm	8000
48.	NaCl	1	1200/- kg	1200
49.	Yeast extract	1	4500/- 500 gm	4500
50.	Sucrose	1	1800/- kg	1800
51.	Lead acetate	1	6500/- kg	6500
52.	Sodium potassium tartrate	1	2400/- kg	2400
53.	Potassium oxalate	1	6500/- kg	6500
54.	Chloroform	1	3500/- 2.5 lit	3500
55.	N-hexane	1	3500/- 2.5 lit	3500
56.	Nitric acid	1	3000/- 2.5 lit	3000
57.	Copper sulphate	2	2900/- kg	5800
58.	Methyl alcohol	2	150/- lit	300
59.	Silver nitrate	2	4500/- 25 gm	9000
60.	Phosphate buffer	1	14000/- lit	14000
61.	Potassium hydroxide	2	2400/- kg	4800
62.	Safranine dye	1	1500/- 25 gm	1500
63.	Mercuric chloride	1	9800/- 100 gm	9800
64.	Ethyle methane sulfonate	1	16500/- 100 gm	16500
65.	Cadmium chloride	2	6500/- 500 gm	13000
66.	Cobalt chloride	2	9000/- 250 gm	18000
67.	Ferric chloride	2	8800/- kg	17600
68.	Nickel chloride	2	4800/- 500 gm	9600
69.	Methyl blue	1	2400/- 25 gm	2400
70.	Sucrose	1	1700/- 500 g	1700
71.	Methylene Blue Dye	1	2000 /- 25 g	2000
72.	Manganese Chloride	1	2000/- 1 kg	2000
73.	Sodium thiosulfate	1	2500/- 1 kg	2500
74.	Starch	1	3000/- 500 g	3000
75.	Potassium iodide (KI)	1	1218/- 25 g	1218
76.	Methylene Blue Dye	1	2340/- 25 g	2340
77.	Safranine O stain	1	4212/- 25 g	4212
78.	Xylene	1	4446/-2.5 L	4446
79.	Sodium hydroxide GR	1	3861/- 1 Kg	3861
80.	Hydrochloric acid (HCl)	2	9361/- 2.5 L	18722
81.	Canda balsam	1	9000/- 500 gm	9000
			Total	607999

Glassware for BS Botany Practical’s

Sr. No	Chemical Name	Quantity	Price With GST	Total cost (Rs)
1	Screw Cap Cylindrical Test tubes PS, Sterile, 10ml	10 pcs	8,113	81113
2	Graduated CylinderTall Shape PP 500 ml	20	1,500	300000
3	Volumetric flask pp 50 ml	5	1500	7500
4	Graduated beakers TPX, 250ml	10	3000	30000
5	Pipette pump,10ml	10	200	20000
6	Spatula-Spoon, 210 mm	2	500	1000
7	Tube rack 3 tier 24 places	5	4000	20000
8	Centrifuge tubes	20	100	2000
10	Eppendorf tubes	1 pkt	2400	2400
11	Petri Dish	10	150	1500
12	Blotter paper	5	25	125
13	Plastic Tray	5	900	4500
14	Flask	10	500	5000
15	Glass slide	5 pkt	200	1000
16	Bottles	100	20	2000
17	Gloves	1 pkt	700	700
18	Test tube stand steel	5	1000	5000
			Total	483838

Equipment for BS ZOOLOGY
1st and 2nd semester

S.no	Name	Requirement	Estimated Unit price (Rs)	Total price (Rs)
1	Compound light microscope Head: Binocular 30° inclined and rotatable 360° Eyepieces: 10 x 20mm FOV Nosepiece: Reversed and quadruple Objectives: Plan achromat 4x, 10x, 40x, 100x oil Condenser: 1.25 N.A. Focusing: Coaxial coarse/fine system and torque adjustment Illumination: LED illumination variable with cord holder	2	450000	900000
2	Beakers (different size)	50	300	15000
3	Flasks (different size)	50	400	20000
4	Measuring cylinders	10	700	7000
5	Formaldehyde	250L	2500	2500
6	Gloves box	10	950	9500
7	Dissection box	25	600	15000
8	Prepared slides of various tissues	2 boxes	4500	9000
9	Preserved animal samples (Invertebrates) few samples for each phylum	25	5000	125000
10	Museum specimen (Vertebrates). few samples for each phylum/class	10	15000	150000
11	Skeleton of Frog	10	300	3000
12	Skeleton of Rabbit	10	900	9000
13	animal samples (stuffed)	10	2200	22000
			Total =	1287000

Equipment for BS PHYSICS

Sr #	Apparatus	Specifications	Quantity	Item Cost (Rs)	Total Cost (Rs) Estimated
1	Modulus of Rigidity apparatus for static and dynamic measurements	Rigidity modulus experimental set up, measuring tape, stop watch, Vernier caliper, screw gauge	5	10000	50000
2	Capillary tube apparatus	Viscosity apparatus, fine capillary tube of uniform bore, graduated cylinder, travelling microscopy, two thermometer ((0-100 ⁰ C)	5	10000	50000
3	Compound pendulum apparatus	A bar pendulum, A kiffe edge with a platform, A spring balance and graph plate	5	7000	35000
4	Sextant apparatus	Rigid Clamp stand, Measuring tape (60 feet) Sprite level	2	50000	100000
5	Sonometer apparatus	Wooden box, copper wire, jokey key, tuning forks (complete in all respect)	5	5000	25000
6	Photocell apparatus	Phototube, Filters with different wavelengths (Violet to red), easy readable voltmeter (0-20V), connecting cables with connector	3	125000	375000
7	Neon flash lamp apparatus	Neon Lamp with power supply	3	25000	75000
8	Galvanometer into voltmeter and ammeter apparatus	Galvanometer (Deflection 0 - ± 5) Voltmeter (0-3 V, 0-100 V, 0-500V) Ammeter (0-100mA, 0-500 mA, 0-50A) AC and DC (Voltmeter and amperemeter)	5	4000	20000
9	Cathode Ray Oscilloscope (CRO)	Dual channel with two probes and power supply cable	2	150000	300000
10	Carey Foster Bridge apparatus	Resistances of different values (0.5-20) thick copper strip	5	15000	75000
11	Variable non-inductive resistor	Range: 2M	5 each	3000	15000
12	Variable capacitor	Capacitance variable range of 50%	5	3000	15000
13	Variable inductor	Range: 10uH-100uH	5	2000	10000
14	Signal generator	Range: 10KHz to GHz	5	1000	50000
15	Gas-filled (mercury vapor) diode	Gas: mercury vapors, Argon	5	10000	50000
16	Digital multimeter	Voltage: AC (200 V and 750V), DC (200mV-1000V) Current: DC (2000uA-10A) Resistance: 200-2000K	5	800	4000
17	Stopwatch	Range: 1 sec-30 mins	5	1000	5000
18	Meter scale	Length: 1 meter	5	350	1750

19	Weight box	Range: 5g-500g	5	2500	12500
20	Tuning fork	Frequency: C-512, A426.6, E320, C256Hz	5	500	2500
21	Vernier caliper digital (12 inch)	12 inch	5	2500	12500
22	Screw gauge digital	10um-1mm	5	7500	37500
23	D.C. power supply (15 Watt)	Voltage: 0.5V-24V, 15 watt	5	3500	17500
24	Silicon and germanium diodes	Model: 1N4001 or Equivalent Average forward current 1A, Non-repetitive Peak current 30A, Reverse current 5uA, RMS reverse voltage 35V, Peak repetitive Reverse voltage 50V	500 each	6	3000
25	Variable resistances	Range: 10 -1 M	5	1000	5000
26	Stepdown transformer	AC: 220V to 12V	5	450	2250
27	Capacitors	10 µF–500 µF	50	50	2500
28	Resistance box	Range 1: 50 – 1000 Range 2: 500- 100K	2	5000	10000
29	Bread board	Horizontally connected central pins and vertical connect side panel, 6 inches in length	5	175	875
30	Light Emitting Diodes (LEDs)	Forward voltage 2.0V, Reverse voltage 5.0, Reverse current 10uA, Max DC forward Current 35mA	100	5	500
				Total	13,62,375/-

BOOKS FOR LIBRARY

SUBJECT	TITLE	AUTHOR	YEA R	COST (PKR)
Bioinformatics	BIOINFORMATION WORLDS AND FUTURES	GONZALEZ-POLLED	2022	33,104
Bioinformatics	BIOCHEMICAL TECHNIQUES: THEORY AND PRACTICE	JOSEPH	2022	34,744
Bioinformatics	COMPUTATIONAL BIOLOGY: AN INTRODUCTORY TEXT	SCOTT	2022	34,744
Bioinformatics	ESSENTIALS OF NANOBIOTECHNOLOGY	JARVIS	2022	34,744
Bioinformatics	MESENCHYMAL STEM CELLS: BASICS AND CLINICAL APPLICATIONS	MARSHALL	2022	34,744
Bioinformatics	TEXTBOOK OF BIOINFORMATICS	KNIGHT	2022	34,744
Bioinformatics	CELL CULTURE: TECHNIQUES AND APPLICATIONS	MYERS	2022	34,970
Bioinformatics	COMPUTATIONAL MODELING IN BIOINFORMATICS	WHITE	2022	34,970
Bioinformatics	FUNDAMENTALS OF BIOTECHNOLOGY	ALLEN	2022	35,195
Bioinformatics	BIOINFORMATICS DATABASE SYSTEMS	BYRON,K	2020	11,860
Biology	HIGH-YIELD CELL AND MOLECULAR BIOLOGY 3RD/ED	DUDEK R W	2011	6,983
Biology	CELLULAR MECHANOTRANSDUCTION: DIVERSE PERSPECTIVES FROM MOLECULES TO TISSUES	MOFRAD M R K	2014	8,273
Biology	BIOINFORMATICS DATA SKILLS: REPRODUCIBLE AND ROBUST RESEARCH WITH OPEN	BUFFALO V	2015	11,278
Biology	FUNDAMENTALS OF SYSTEMS BIOLOGY: FROM SYNTHETIC CIRCUITS TO WHOLE-CELL MODELS	COVERT M W	2015	14,342
Biology	FACT FILE HUMAN BODY		2016	195
Biology	STEP BY STEP TECHNICAL MANUAL OF BLOOD COMPONENTS	MUKHERJEE	2016	681
Biology	REPRODUCTIVE BIOLOGY PLANTS	HUSSAIN	2016	1,347
Biology	HUNT'S ANIMAL FEEDING & NUTRITION	ROBBINS	2016	3,253
Biology	HENDERSON'S DICTIONARY OF BIOLOGY 16TH/ED	LAWRENCE E	2016	4,963
Biology	MOST IMPROBABLE JOURNEY A BIG HISTORY OF OUR PLANET AND OURSEL	ALVAREZ	2016	6,326
Biology	EVOLUTION, EXPLANATION, ETHICS AND AESTHETICS: TOWARDS A PHILOSOPHY OF BIOLOGY	AYALA F	2016	10,141
Biology	CELL BIOLOGY BY THE NUMBERS	MILO R	2016	10,480
Biology	PRACTICAL SKILLS IN BIOLOGY 6TH/ED	REED R	2016	10,480
Biology	FOOD PRODUCTION AND NATURE CONSERVATION CONFLICTS AND SOLUTI	GORDON & PRINS	2016	12,136
Biology	ADAPTIVE REGRESSION FOR MODELING NONLINEAR RELATIONSHIPS	KNAFL G J	2016	13,997
Biology	BIOLOGY FOR DUMMIES	KRATZ	2017	4,510
Biology	BACKYARD LIVESTOCK RAISING GOOD NATURAL FOOD FOR YOUR FAMILY	THOMES	2017	4,952
Biology	BACKYARD GUIDE TO INSECTS & SPIDERS OF NORTH AMERICAN (PB)	EVANS	2017	5,033
Biology	BEING TOGETHER IN PLACE: INDIGENOUS COEXISTENCE IN A MORE THAN HUMAN WORLD	LARSEN S C	2017	5,791
Biology	BARRONS SAT SUBJECT TEST BIOLOGY E/M 6/E (PB)	GOLDBERG	2017	6,292
Biology	DARWIN'S BACKYARD	COSTA	2017	6,306
Biology	BIOLOGY FOR EDEXCEL INTERNATIONAL GCSE 2/E (PB)	LARKCOM	2017	6,432
Biology	BAYESIAN DATA ANALYSIS FOR ANIMAL SCIENTISTS: THE BASICS	BLASCO A	2017	8,066
Biology	DATA ANALYSIS IN VEGETATION ECOLOGY 3RD/ED	WILDI O	2017	11,308
Biology	AQA GCSE (9-1) COMBINED SCINECE TRILOGY REQUIRED PRACTICALS LAB	QUINN	2018	3,824
Biology	COMPLETE BIOLOGY FOR CAMBRIDGE SECONDARY 1 (PB)	LARGE	2018	6,725

Biology	BIO DESIGN NATURE SCIENCE CREATIVITY	MYERS W	2018	6,897
Biology	GARDEN INSECTS OF NORTH AMERICA 2/E (PB)	CRANSHAW	2018	8,813
Biology	NEUROBIOLOGY FOR CLINICAL SOCIAL WORK : THEORY AND PRACTICE	SHAPIRO	2018	9,013
Biology	NATURAL ENEMIES 2/E (PB)	HAJEK	2018	10,235
Biology	ANIMAL WELFARE IN A CHANGING WORLD	BUTTERWORTH A	2018	12,731
Biology	PHYCOLOGY 5/E (PB)	LEE	2018	13,160
Biology	KARP'S CELL BIOLOGY, GLOBAL EDITION	IWASA	2018	14,211
Biology	BIOLOGY ESSENTIALS FOR DUMMIES	KRATZ & SIEGFRIED	2019	2,254
Biology	BIOLOGY FOR DUMMIES 3RD/ED	KRATZ R F	2019	4,510
Biology	BUILDING CHICKEN COOPS FOR DUMMIES	BROCK	2019	5,187
Biology	BIOPESTICIDES MANUAL GUIDELINES FOR SELECTING SOURCING PRODUCING AND USING BIPPESTICIDES (PB)	HOLMES	2019	7,313
Biology	STATISTICS FOR TERRIFIED BIOLOGISTS 2/E(PB)	EMDEN	2019	9,443
Biology	INTRODUCTION TO POPULATION BIOLOGY 2ND/ED	NEAL D	2019	11,308
Biology	STOCHASTIC EPIDEMIC MODELS WITH INFERENCE	BRITTON T	2019	11,860
Biology	COMPUTATIONAL BIOLOGY: A STATISTICAL MECHANICS PERSPECTIVE 2ND/ED	BLOSSEY R	2019	11,860
Biology	INTRODUCTION TO POPULATION BIOLOGY 2/E (PB)	NEAL	2019	11,990
Biology	PROTEINS CROSSING MEMBRANES	ROTHMAN S	2019	12,136
Biology	WILDLIFE DISEASE ECOLOGY: LINKING THEORY TO DATA AND APPLICATION	WILSON K	2019	12,411
Biology	DYNAMICS OF BIOLOGICAL SYSTEMS	BIANCHI A	2019	14,232
Biology	EVOLUTION MAKING SENSE OF LIFE .	EMLN	2019	14,232
Biology	UNDERSTANDING EVOLUTION 2ND/ED	KAMPOURAKIS K	2020	3,308
Biology	BIOLOGY: A SELF-TEACHING GUIDE 3RD/ED	GARBER S D	2020	5,638
Biology	Mikrobiologie fÃ¼r Dummies	Stearns	2020	6,282
Biology	INTRODUCTION TO ENVIRONMENTAL TOXICOLOGY	D'MELLO J P F	2020	7,062
Biology	BIOLOGICAL EVOLUTION: AN INTRODUCTION .	CASSIDY	2020	8,273
Biology	DESIGN OF EXPERIMENTS IN NEUROSCIENCE 3RD/ED	HARRINGTON M E	2020	8,273
Biology	LIFE IN EXTREME ENVIRONMENTS: INSIGHTS IN BIOLOGICAL CAPABILITY	PRISCO	2020	11,032
Biology	EQUINE ENDOCRINOLOGY	BERTIN F	2020	12,731
Biology	HARPER'S PRACTICAL GENETIC COUNSELLING	CLARKE	2020	12,963
Biology	HANDBOOK OF PRIMATE BEHAVIORAL MANAGEMENT	SCHAPIRO S J	2020	13,515
Biology	PRACTICAL FIELD ECOLOGY: A PROJECT GUIDE 2ND/ED	WHEATER C P	2020	13,537
Biology	INSECTS AND SOCIETY	SCHOWALTER	2020	13,791
Biology	IN-VITRO FERTILIZATION	ELDER K	2020	13,791
Biology	MOLECULAR BIOLOGY	SAARA AHMED MUDASSIR	2021	695
Biology	KEY QUESTIONS IN APPLIED ECOLOGY AND CONSERVATION: A STUDY AND REVISION GUIDE	REES P A	2021	5,515
Biology	MAKING SENSE OF MEDICAL STATISTICS: A BITE SIZED VISUAL GUIDE	HOSSAIN M	2021	5,515
Biology	KEY QUESTIONS IN ECOLOGY: A STUDY AND REVISION GUIDE	REES P	2021	5,655
Biology	STATISTICS AT SQUARE ONE 12TH/ED	CAMPBELL M J	2021	7,332
Biology	BIOLOGICAL EVOLUTION: AN INTRODUCTION	CASSIDY M	2021	8,273

Biology	BIostatistics for Population Health: A Primer	Sullivan L M	2021	8,336
Biology	Medical Statistics: A Textbook for the Health Sciences 5th/ed	Walters S J	2021	10,818
Biology	Practical R for Biologists: An Introduction	Quicke D	2021	11,032
Biology	Primate and Human Evolution	Cachel S	2021	11,032
Biology	Quantitative Analysis of Ecological Networks	Dale M R T	2021	11,032
Biology	Biology of Domestic Animals .	Hill	2021	11,860
Biology	Climate Change and Agroforestry Systems: Adaptation and Mitig	Raj,A	2021	11,860
Biology	Practical Clinical Microbiology and Infectious Diseases A Hands	Gronthoud	2021	12,411
Biology	Evolutionary Psychology 4th/ed	Workman L	2021	12,411
Biology	A Companion to Dental Anthropology	Irish	2021	13,081
Biology	Vertebrate Zoology (Pakistani Edition)	Singh B K	2022	3,995
Biology	Key Questions in Environmental Toxicology	D'Mello J	2022	6,897
Biology	Forgotten People, Forgotten Diseases: The Neglected Tropical Diseases and Their Impact on Global Health and Development, 3rd Edition	Hotez	2022	10,815
Biology	Manual of Animal Andrology	Chenoweth P J	2022	11,032
Biology	Essential Statistics for Bioscientists	Meah M	2022	11,044
Biology	A Companion to Anthropological Genetics	O'Rourke	2023	13,836
Botany	Big Man Jim Beam : Boker Noe and Th enumber One Bourbon in the	Kokoris	2016	5,415
Botany	Environmental Science and Engineering 2/E (PB)	Henry	2017	2,202
Botany	Places of Nature in Ecologies of Urbanism (PB)	Rademacher	2017	8,813
Botany	Forests and Globalization Challenges and Opportunities for Sustainable Development (PB)	Nikolakis	2017	11,112
Botany	Agricultural Systems Agroecology and Rural Innovation for Development 2/E (HB)	Snapp	2017	15,207
Botany	Principles and Practices of Plant Genomics Vol 3 Advanced Genomics (PB)	Kole	2017	19,010
Botany	The Global Positioning System and ArcGIS 3/E (PB)	Kennedy	2017	19,010
Botany	Botany An Introduction to Plant Biology 6/E (HB)	Mauserth	2017	21,403
Botany	Environmental Ethics Readings in Theory and Application 7/E (PB)	Pojman	2017	25,167
Botany	Soil Magnetism Applications in Pedology Environmental Science and Agriculture (PB)	Jordanova	2017	30,216
Botany	Hartmann and Kester's Plant Propagation Principles and Practices 8/E (PB)	Hartmann	2018	3,651
Botany	Computational Phylogenetics An Introduction to Designing Methods for Phylogeny Estimation (HB)	Warnow	2018	13,745
Botany	Sterns Introductory Plant Biology 14/E (PB)	Bidlack	2018	17,110
Botany	The Periglacial Environment 4/E (PB)	French	2018	18,885
Botany	Life of Plants : A Metaphysics of Mixture	Coccia	2019	5,178
Botany	Nursery Practices in Oil Palm A Manual (PB)	Laksono	2019	7,313
Botany	Quest for the Unity of Knowledge (PB)	Lowenthal	2019	10,235
Botany	Water Regims Beyond the Public and Private Sector Debate (PB)	Lorrain	2019	11,405

Botany	FOOD PLANTS OF THE WORLD IDENTIFICATION CULINARY USES AND NUTRITIONAL VALUE (HB)	BEN ERIK	2019	14,622
Botany	PLANT BASED SPORTS NUTRITION (PB)	MEYER	2020	5,847
Botany	AFFORDABLE HOUSING FOR SMART VILLAGE (PB)	DOLOI	2020	12,575
Botany	TREES AND GLOBAL WARMING (HB)	MANNING	2020	14,622
Botany	HYDRODYNAMIC DESIGN AND ASSESSMENT OF WATER AND WASTEWATER TREATMENT UNITS (HB)	TEIXEIRA	2020	14,625
Botany	GREENHOUSE GAS EMISSIONS FROM ECOTECHNOLOGIES FOR WASTEWATER TREATMENT (PB)	VINASCO	2020	17,547
Botany	PLANT PHYSIOLOGY: THEORY AND APPLICATIONS	KOCHHAR,S.L	2020	19,308
Botany	THE SCIENCE AND POLITICS OF GLOBAL CLIMATE CHANGE A GUIDE TO THE DEBATE 3/E (HB)	DESSLER	2020	23,397
Botany	PHYSIOCHEMICAL AND ENVIRONMENTAL PLANT PHYSIOLOGY	NOBEL	2020	25,945
Botany	FOSSIL FREE FUELS TRENDS IN RENEWABLE ENERGY (HB)	MANIRUZZAMAN	2020	28,080
Botany	PLANT EMBRYOGENESIS: METHODS AND PROTOCOLS	BAYER,M	2020	28,466
Botany	PLANT FACTORY AN INDOOR VERTICAL FARMING SYSTEM FOR EFFICIENT QUALITY FOOD PRODUCTION 2/E (PB)	KOZAI	2020	30,216
Botany	CROP PHYSIOLOGY CASE HISTORIES FOR MAJOR CROPS .	SADRAS	2020	33,842
Botany	URBAN ECOLOGY AND INTERVENTION IN THE 21ST CENTURY AMERICAS (PB)	SCHIFANI	2021	10,820
Botany	FUNGI .	DESHMUKH	2021	11,860
Botany	RESEARCH METHODOLOGY AND SCIENTIFIC WRITING .	THOMAS	2021	13,520
Botany	BOTANY: A LAB MANUAL .	MAUSETH	2021	14,653
Botany	URBAN AND INDUSTRIAL WATER CONSERVATION METHODS (HB)	YARI	2021	21,935
Botany	Molecular Mechanisms of Photosynthesis	Blankenship	2021	22,662
Botany	PRINCIPLES OF PLANT GENETICS AND BREEDING	ACQUAAH	2021	23,227
Botany	PLANT BIOCHEMISTRY	HELDT	2021	24,817
Botany	MICROBE ASSISTED PHYTOREMEDIATION OF ENVIRONMENTAL POLLUTANTS (HB)	KUMAR	2021	26,322
Botany	EMERGING TRENDS IN PLANT PATHOLOGY	PARKER	2021	34,742
Botany	GENETICS AND BREEDING OF PLANTS	GIBSON	2021	34,742
Botany	ABIOTIC STRESS TOLERANCE IN CROP PLANTS	GIBBS	2021	34,744
Botany	IRRIGATION HANDBOOK	RAMSEY	2021	34,967
Botany	AQUACULTURE: AN INTRODUCTORY TEXT	FLETCHER	2021	34,970
Botany	NITROGEN FIXATION: BIOLOGY AND ECOLOGY	LANGER	2021	34,970
Botany	PROTEIN CROPS: AGRICULTURAL SUSTAINABILITY	MILLER	2021	34,970
Botany	SULFUR METABOLISM IN PLANT GROWTH: MECHANISMS AND APPLICATIO	HENDRICKSON	2021	34,970
Botany	WEED SCIENCE PRINCIPLES AND APPLICATIONS	FORD	2021	35,193
Botany	POLLINATION AND FLORAL ECOLOGY	HUGHES	2021	35,195
Botany	AGRICULTURAL YIELD AND PRODUCTION: THEORY, TECHNIQUES AND TE	RYDER	2021	35,419
Botany	AN INTEGRATED APPROACH TO BOTANY	DAVIES	2021	35,419
Botany	DAIRY CATTLE MANAGEMENT	CRAWFORD	2021	35,421
Botany	PLANT BREEDING	STERLING	2021	35,421
Botany	RICE CULTIVATION AND PROCESSING	WILSON	2021	35,421
Botany	SALINITY RESPONSES AND TOLERANCE IN PLANTS: TRANSPORT AND SI	VADER	2021	35,421

Botany	WATER MANAGEMENT IN AGRICULTURE	TWOMEY	2021	35,421
Botany	ESSENTIALS OF PLANT BREEDING AND GENETICS	ADAMS	2021	35,644
Botany	PLANT ECOLOGY: AN INTEGRATED APPROACH	WALKER	2021	35,644
Botany	PLANT PATHOLOGY AND DISEASES	PARKER	2021	35,646
Botany	BOTANY: PRINCIPLES AND APPLICATIONS	DAVIES	2021	35,872
Botany	LIVESTOCK FARMING	CAMPBELL	2021	35,872
Botany	Plant Breeding Reviews Volume 45	Goldman	2022	17,767
Botany	Dementia and Memory: Introduction for Professional s in Health and Human Services	Farrer	2022	22,649
Botany	PROTEIN REVIEWS	ATASSI	2022	33,211
Botany	ADVANCES IN CARDIOVASCULAR TECHNOLOGY NEW DEVICES AND CONCE	JAMSHID KARIMOV,	2022	33,842
Botany	PLANT GENES GENOMES AND GENETICS	STERLING	2022	34,518
Botany	PLANT SCIENCE: NEW FRONTIERS IN BOTANY	ACKLES	2022	34,518
Botany	SEED BIOLOGY: BASIC AND TRANSLATIONAL RESEARCH	BELLE	2022	34,744
Botany	AGRICULTURE: SCIENCE AND TECHNOLOGY	JOSEPH	2022	34,970
Botany	AQUAPONICS FOOD PRODUCTION SYSTEMS: AQUACULTURE AND HYDROPO2022	HENRY	2022	34,970
Botany	PLANT PATHOLOGY AND PLANT DISEASES	COLE	2022	34,970
Botany	RICE CROP: TECHNIQUES TO INCREASE YIELD	HARWOOD	2022	34,970
Botany	UNDERSTANDING POULTRY SCIENCE	OWENS	2022	34,970
Botany	HANDBOOK OF AGRICULTURE	JACOBS	2022	35,193
Botany	PLANT SCIENCE: AN INTRODUCTION TO BOTANY	COLE	2022	35,193
Botany	BIOTIC AND ABIOTIC STRESS TOLERANCE IN PLANTS	B.DAY	2022	35,195
Botany	ESSENTIAL SOIL SCIENCE	MILLER	2022	35,195
Botany	ESSENTIALS OF HYDROPONICS	POLLARD	2022	35,195
Botany	MODERN CROP PROTECTION	FORD	2022	35,195
Botany	PLANT ANATOMY	SAWYER	2022	35,195
Botany	HERBAL MEDICINE: MODERN APPLICATIONS OF TRADITIONAL FORMULAS	GOULD	2022	35,646
Business	INTRODUCTION TO BUSINESS B.COM PART I, BBA, BS (HONS)	NASIR	2021	306
Business	A TEXTBOOK OF BUSINESS TAXATION UPDATED EDITION	WAINCE	2020	495
Business	FRANK WOOD'S BUSINESS ACCOUNTING VOL 1 12TH ED.	WOOD	2020	2,345
Business	BUSINESS COMMUNICATION TODAY 14TH ED.	BOVEE	2020	2,866
Business	CONSUMER BEHAVIOR 12TH ED.	SCHIFFMAN	2020	3,334
Business	ORGANIZATIONAL BEHAVIOR 18TH ED.	ROBBINS	2020	3,515
Business	READY, LAUNCH, BRAND: THE LEAN MARKETING GUIDE FOR STARTUPS	ZEEWY	2021	5,239
Business	REBOOT: PROBABLY MORE THAN YOU EVER WANTED TO KNOW about Startin	FOX	2020	5,415
Business	BUSINESS WRITING FOR DUMMIES 3RD ED	CANAVOR	2021	5,663
Business	FUTURE IS FASTER THAN YOU THINK: HOW CONVERGING TECHNOLOGIES A	DIAMANDIS,P	2020	6,317
Business	BUSINESS EXPERIMENTATION A PRACTICAL GUIDE FOR DRIVING INNOVATION AND PERFORMANCE IN YOUR BUSINESS	HAMEL	2021	6,579
Business	THE PRACTICAL NEGOTIATION HANDBOOK A FIVE STEP APPROACH TO LASTING PARTNERSHIPS	DAVIES	2021	6,579
Business	ABSOLUTE ESSENTIALS OF INTERNATIONAL BUSINESS	SITKIN	2022	6,894

Business	DIGITAL ENTREPRENEURSHIP MANAGEMENT, SYSTEMS AND PRACTICE	MORABITO	2022	7,105
Business	INTRODUCTION TO COACHING SKILLS: A PRACTICAL GUIDE .	VAN	2020	7,170
Business	WRITING A BUSINESS PLAN: A PRACTICAL GUIDE .	EKANEM	2021	7,446
Business	EXCELLENCE IN PEOPLE ANALYTICS HOW TO USE WORKFORCE DATA TO CREATE BUSINESS VALUE	GREEN	2021	7,895
Business	HALAL BUSINESS MANAGEMENT: A GUIDE TOACHIEVING HALAL EXCELLENC	TIEMAN	2021	8,273
Business	NEXT CEO: BOARD & CEO PERSPECTIVES FOR SUCCESSFUL CEO'S SUCCE	KEIL	2021	8,273
Business	VALUE SHIFT: HOW INVESTORS ARE ADVANCING SUSTAINABILITY IN CAPITA	DEMPSEY	2021	8,276
Business	AN INTRODUCTION TO BUSINESS ETHICS 6TH ED	DESJARDINS	2020	8,569
Business	UNDERSTANDING BUSINESS 13TH INTERNATIONAL ED	NICKELS	2022	9,065
Business	MANAGING FASHION: A MANAGEMENT PERSPECTIVE .	HAMEIDE	2021	9,101
Business	VALUING U.S NATIONAL PARKS AND PROGRAMS	LOOMIS	2020	9,377
Business	INTERNATIONAL BUSINESS COMPETING IN THE GLOBAL MARKETPLACE 13TH ED	HILL	2021	9,507
Business	ART OF EXPERIMENTAL ECONOMICS (THE) TWENTY TOP PAPERS REVIEWE	GARY CHARNESS, M	2021	9,653
Business	CORPORATE HERITAGE MARKETING	RIVIEZZO	2021	9,653
Business	STORYTELLING WITH DATA IN HEALTHCARE .	MASICK	2021	9,653
Business	WORLD HERITAGE CONCEPTS, MANAGEMENTAND CONSERVATION	SIMON C. WOODWA	2022	9,653
Business	BUSINESS, ETHICS AND SOCIETY KEY CONCEPTS, CURRENT DEBATES AND CONTEMPORARY INNOVATIONS	CULLEN	2022	9,738
Business	PROFESSIONAL PRACTICE 101: A COMPENDIUM OF EFFECTIVE BUSINESS S	PRESSMAN	2021	10,204
Business	SUSTAINABLE BRANDING: ETHICAL, SOCIAL & ENVIRONMENTAL CASES AND	FOROUDI	2021	10,204
Business	SUPPLY CHAIN ANALYTICS USING DATA TO OPTIMISE SUPPLY CHAIN PROCESSES	ROBERTSON	2021	10,527
Business	BUSINESS AND PROFESSIONAL COMMUNICATION PUTTING PEOPLE FIRST	FLOYD	2020	10,538
Business	WATER FOOTPRINT OF MODERN CONSUMER SOCIETY .	HOEKSTRA	2020	10,756
Business	CAMBRIDGE INTERNATIONAL AS AND ALEVEL_ BUSINESS_ COURSEBOOK W	STIMPSON	2021	11,021
Business	EXPONENTIAL AGE: HOW ACCELERATING TECHNOLOGY IS TRANSFORMING	AZHAR	2021	11,278
Business	BUSINESS PROCESS REENGINEERING AN ICT APPROACH	SUSANTO	2021	11,317
Business	RETHINKING PROJECT MANAGEMENT FOR A DYNAMIC AND DIGITAL WORLD	DALCHER	2022	11,584
Business	BUSINESS ANALYTICS COMMUNICATING WITH NUMBERS	KELLY	2021	12,124
Business	STATISTICAL TECHNIQUES IN BUSINESS & ECONOMICS 18TH ED	LIND	2021	12,351
Business	ENTREPRENEURSHIP, INNOVATION AND REGIONAL DEVELOPMENT AN INTRODUCTION 2ND ED	MITRA	2020	12,370
Business	UNDERSTANDING RESEARCH FOR BUSINESS STUDENTS A COMPLETE STUDENT'S GUIDE	WILSON	2022	12,370
Business	ABSOLUTE ESSENTIALS OF BUSINESS ETHICS	STANWICK	2020	12,411

Business	SPEED-BASED TARGET PROFIT: PLANNING & DEVELOPING SYNCHRONOUS	POSTEUCA	2021	12,411
Business	ARTIFICIAL INTELLIGENCE, BUSINESS AND CIVILIZATION OUR FATE MADE IN	KAPLAN	2022	12,411
Business	INTERNATIONAL BUSINESS 3RD INTERNATIONAL EDITION	GERINGER	2023	12,464
Business	BUSINESS RESEARCH A PRACTICAL GUIDE FOR STUDENTS 5TH ED	COLLIS	2021	12,633
Business	STATISTICS FOR ECONOMICS, ACCOUNTING AND BUSINESS STUDIES	BARROW	2022	12,687
Business	BUSINESS-TO-BUSINESS MARKETING 5TH ED	BRENNAN	2020	12,897
Chemistry	THE CASE OF THE POISONOUS SOCKS TALES FROM CHEMISTRY	BROCK	2011	5,262
Chemistry	ORGANIC CHEMISTRY (VOLUME-2)	WHITMORE	2011	5,654
Chemistry	GREEN TRENDS IN INSECT CONTROL	LOPEZ O	2011	9,655
Chemistry	THE PEARSON GUIDE TO THE MEDICAL ENTRANCE EXAMINATIONS	ARORA	2013	2,407
Chemistry	RECENT ADVANCES IN FORENSIC CHEMISTRY	BAMFORD	2013	7,938
Chemistry	CHEMISTRY THE MOLECULAR NATURE OF MATTER AND CHANGE 6TH ED	SILBERBERG	2013	12,917
Chemistry	CHEMICAL HISTORY OF COLOR	ORNA M V	2013	13,046
Chemistry	DICTIONARY OF SCIENCE REVISED AND UPDATED	CLUGSTON	2014	3,420
Chemistry	THE SCIENCE BOOK BIG IDEAS SIMPLY EXPLAINED	DK	2014	5,666
Chemistry	QUANTUM CHEMISTRY & SPECTROSCOPY A GUIDED INQUIRY	SHEPHERD	2014	12,000
Chemistry	SYSTEMATIC ORGANIC NOMENCLATURE (PAKISTANI EDITION)	ZIA-UL-UAQ ANWAR	2015	220
Chemistry	ENGINEERING CHEMISTRY (IND/ED)	RATH P	2015	1,600
Chemistry	HEAT AND MASS TRANSFER	SIDDIQUI	2015	1,630
Chemistry	TEACHING SECONDARY SCIENCE CONSTRUCTING MEANING AND DEVELOPING UNDERSTANDING 4TH ED	ROSS	2015	6,579
Chemistry	ARGUMENT-DRIVEN INQUIRY IN CHEMISTRY LAB INVESTIGATIONS FOR GRADES 9-12	SAMPSON	2015	10,187
Chemistry	EXPERIMENTING WITH SCIENCE	MULLINS,O.J	2016	2,254
Chemistry	SCIENTIST'S GUIDE TO WRITING: HOW TO WRITE MORE EASILY AND EFFECTIVELY THROUGHOUT YOUR SC	HEARD S B	2016	4,952
Chemistry	BROWN'S INTRODUCTION TO ORGANIC CHEMISTRY 6TH/ED (GLOBAL EDITION)	BROWN W H	2016	14,211
Chemistry	CHEMISTRY WORKBOOK FOR DUMMIES	HREN	2017	4,510
Chemistry	OFFICIAL SAT SUBJECT TEST IN CHEMISTRY STUDY GUIDE	BOARD	2017	6,694
Chemistry	SCIENCE RESTATED PHYSICS AND CHEMISTRY FOR THE NON-SCIENTIST	CASSIDY	2018	1,526
Chemistry	SCIENCE RESTATED: PHYSICS AND CHEMISTRY FOR THE NON-SCIENTIST	CASSIDY H G	2018	1,695
Chemistry	PHYSICAL CHEMISTRY QUANTUM CHEMISTRY AND MOLECULAR INTERACTIONS	COOKSY	2018	1,783
Chemistry	ADVANCED INORGANIC CHEMISTRY 6TH ED	COTTON	2018	2,662
Chemistry	ON THE FUTURE: PROSPECTS FOR HUMANITY	MARTIN REES	2018	4,275
Chemistry	ANALYSIS FOR COMPUTER SCIENTISTS: FOUNDATIONS, METHODS, AND ALGORITHMS	OBERGUGGENBERGE	2018	10,673
Chemistry	MECHANISM AND THEORY IN FOOD CHEMISTRY 2ND/ED	WONG D W S	2018	13,520
Chemistry	A TEXTBOOK OF ANALYTICAL CHEMISTRY FOR BS & M.SC STUDENTS	CHUDHARY	2019	585
Chemistry	CHEMISTRY ESSENTIALS FOR DUMMIES	MOORE	2019	2,254
Chemistry	ELEMENTARY QUANTUM CHEMISTRY 2ND ED	PILAR	2019	7,920

Chemistry	RECIPES FOR SCIENCE: AN INTRODUCTION TO SCIENTIFIC METHODS AND REASONI	POTOCHNIK A	2019	11,032
Chemistry	TEACHING CHEMISTRY	APOTHEKER	2019	11,792
Chemistry	ADVANCED MATERIALS FOR MEMBRANE FABRICATION AND MODIFICATION	GRAY	2019	11,860
Chemistry	EXPERIMENTAL ELECTROCHEMISTRY: A LABORATORY TEXTBOOK 2ND/ED	HOLZE R	2019	12,409
Chemistry	STRUCTURE DEPENDENT ENERGY OF ORGANIC COMPOUNDS	FURKA Á	2019	13,046
Chemistry	21ST CENTURY CHEMISTRY 2ND ED	WALDRON	2019	13,686
Chemistry	SANA ULLAH'S TEXTBOOK OF PHYSICAL CHEMISTRY	SANA ULLAH	2020	540
Chemistry	ORGANIC CHEMISTRY 9TH ED	WADE	2020	3,660
Chemistry	CRYSTAL STRUCTURES PATTERNS AND SYMMETRY	O'KEEFFE	2020	9,053
Chemistry	THEORY AND PROBLEMS FOR CHEMISTRY OLYMPIAD CHALLENGING CONCEPTS IN CHEMISTRY	NAN	2020	10,425
Chemistry	HIGH PERFORMANCE LIQUID CHROMATOGRAPHY IN PESTICIDE RESIDUE ANALYSIS	TUZIMSKI	2020	11,317
Chemistry	ANALYTICAL TECHNIQUES IN BIOCHEMISTRY .	MAHIN	2020	11,860
Chemistry	ISOTOPES AND THE NATURAL ENVIRONMENT	ALEXANDRA P	2020	11,860
Chemistry	SOIL CHEMISTRY 5TH ED	STRAWN	2020	12,464
Chemistry	ORGANIC CHEMISTRY 6TH ED	SMITH	2020	12,571
Chemistry	CHEMISTRY 5TH ED	BURDGE	2020	13,246
Chemistry	MODERN QUANTUM CHEMISTRY	SZABO	2021	4,521
Chemistry	AP CHEMISTRY PREMIUM 2022-2023 (BARRON'S THE TRUSTED NAME IN TEST PREP)	JESPERSEN	2021	4,999
Chemistry	ESSENTIALS OF FOOD SCIENCE 5TH/ED	VACLAVIK V	2021	7,827
Chemistry	APPLIED CHEMISTRY AND CHEMICAL ENGINEERING, VOLUME 1 MATHEMATICAL AND ANALYTICAL TECHNIQUES	HAGHI	2021	11,317
Chemistry	APPLIED CHEMISTRY AND CHEMICAL ENGINEERING, VOLUME 2 PRINCIPLES, METHODOLOGY, AND EVALUATION METHODS	HAGHI	2021	11,317
Chemistry	APPLIED CHEMISTRY AND CHEMICAL ENGINEERING, VOLUME 3 INTERDISCIPLINARY APPROACHES TO THEORY AND MODELING WITH APPLICATIONS	HAGHI	2021	11,317
Chemistry	APPLIED CHEMISTRY AND CHEMICAL ENGINEERING, VOLUME 4 EXPERIMENTAL TECHNIQUES AND METHODICAL DEVELOPMENTS	HAGHI	2021	11,317
Chemistry	APPLIED CHEMISTRY AND CHEMICAL ENGINEERING, VOLUME 5 RESEARCH METHODOLOGIES IN MODERN CHEMISTRY AND APPLIED SCIENCE	HAGHI	2021	11,317
Chemistry	ENVIRONMENTAL CHEMISTRY NEW TECHNIQUES AND DATA	TRIMM	2021	11,317
Chemistry	INTRODUCTORY ORGANIC CHEMISTRY AND HYDROCARBONS A PHYSICAL CHEMISTRY APPROACH	FIRME	2021	11,317
Chemistry	UNDERSTANDING MOLECULES LECTURES ON CHEMISTRY FOR PHYSICISTS AND ENGINEERS	BATTAGLIA	2021	11,317
Chemistry	ELECTROCHEMISTRY CRASH COURSE FOR ENGINEERS	PETROVIC	2021	11,860
Chemistry	A TEXTBOOK OF ANALYTICAL CHEMISTRY 2ND ED	CHUDHARY	2022	810
Chemistry	CONCISE INORGANIC CHEMISTRY (PAKISTANI EDITION)	THAKUR O P	2022	3,995
Chemistry	CHEMISTRY 14TH ED	OVERBY	2022	5,960

Chemistry	KAPLAN MCAT ORGANIC CHEMISTRY REVIEW 2023-2024 ONLINE+BOOK WITH ONLINE ACCESS	KAPLAN	2022	10,530
Chemistry	PRACTICAL GEOCHEMISTRY	ALEXANDER	2022	11,860
Chemistry	CHEMISTRY AND INDUSTRIAL TECHNIQUES FOR CHEMICAL ENGINEERS	POGLIANI	2022	11,860
Chemistry	EXPERIMENTAL METHODS IN HEAT TRANSFER AND FLUID MECHANICS	HAN	2022	11,862
Computer	ADOBE PHOTOSHOP GUIDE FOR NOVICE: MASTER THE PHOTOSHOPAPP F	BENT	2021	6,766
Computer	ADOBE PHOTOSHOP GUIDE 2021: THE COMPLETE TUTORIAL FOR BEGINNE	MORRISON	2021	7,443
Computer	ANTIVIRUS BYPASS TECHNIQUES: LEARN PRACTICAL TECHNIQUES AND TA	URIEL	2021	7,894
Computer	ANGULAR PROJECTS: BUILD MODERN WEB APPS BY EXP;ORING ANGULAR	BAMPAKOS	2021	7,894
Computer	HOW TO GET THE MOST FROM YOUR HOME ENTERTAINMENT SET IT UP US	JAY	2021	7,896
Computer	PRACTICAL MACHINE LEARNING IN JAVASCRIPT_TENSORFLOW.JS FOR WE	GERARD	2021	8,301
Computer	IMPLEMENTING MACHINE LEARNING FOR FINANCE A SYSTEMATICAPPROA	CHRIS	2021	8,301
Computer	DRONES TO GO: A CRASH COURSE FOR SCIENTISTS AND MAKERS .	ALBERTO	2021	9,013
Computer	ELECTRONICS PROJECTS WITH THE ESP8266 AND ESP32: .	CAMERON	2021	9,013
Computer	INTRODUCING BLOCKCHAIN WITH LISP: IMPLEMENTAND EXTEND BLOCKCH	SITNIKOVSKI	2021	9,013
Computer	IOT STANDARDS WITH BLOCKCHAIN: ENTERPRIS METHODOLOGY FOR INTE	UPADRISTA	2021	9,013
Computer	JAVA ON THE RASPBERRY PI: DEVELOP JAVA PROGRAMS TO CONTROL DEV	FLURRY	2021	9,013
Computer	PROGRAMMING MICROCONTROLLERS WITH PYTHON .	SUBERO	2021	9,013
Computer	PYTHON DATAANALYSTS TOOLKIT LEARN PYTHON AND PYTHON BASED LIB	RAJAGOPALAN	2021	9,013
Computer	ADVANCED HOME AUTOMATION USING RASPBERRY PI: BUILDING CUSTOM	JAIN	2021	9,013
Computer	SUPERSIGHT: WHATAUGMENTED REALITY MEANS FOE OUR LIVES OUR WO	ROSE	2021	9,013
Computer	ARTIFICIAL INTELLIGENCE FOR IOL OOKBOOK: OVER 70 RECIPIES FOR BUIL	ROSHAK	2021	9,022
Computer	DIY MICROCONTROLLER PROJECTS FOR HOBBYSTS .	ANGEI	2021	9,022
Computer	FPGA PROGRAMMING FOR BEGIBBERS: BRING YOUR IDEAS TO LIFE .	BRUNO	2021	9,022
Computer	LINUX SYSTEMS PROGRAMMING TECHINQUES: BECOME A PROFICIENT SYS	BENNY	2021	9,022
Computer	MODERN CRYPTOGRAPHY FOR CYBERSECURITY PROFESSIONALS: LEARN	BOCK	2021	9,022
Computer	ROBLOX GAME DEVELOPMENT IN 24 HOURS: THE OFFICIAL ROBLOX GUIDE	ROBLOX	2021	9,022
Computer	SWIFT COOKBOOK: OVER 60 PROVEN RECIPES FOR DEVELOPING BETTER I	MOON	2021	9,022
Computer	SNOWFLAKE COOKBOOK: TECHNIQUES FPOR BUILDNG MODERN CLOUD D	HAMID	2021	9,022
Computer	(ISC)2 CISSP CERTIFIED INFORMATION SYSTEMS SECURITY PROFESSIONAL	M CHAPPLE	2021	9,024
Computer	JOB READY JAVA .	BALTI	2021	9,024
Computer	MASTERING LINUX ADMINISTRATION A COMPREHENSIVE GUIDE TO INSTALLING, CONFIGURING, AND MAINTAINING LINUX SYSTEMS IN THE MODERN DATA CENTER	CALCATINGE	2021	9,063
Computer	EXERCISES IN PROGRAMMING STYLE 2ND ED	LOPES	2021	9,211

Computer	INFORMATION WARFARE IN THE AGE OF CYBER CONFLICT	WHYTE	2021	9,211
Computer	PSYCHOLOGY OF A WEBSITE	CAPALA	2021	9,248
Computer	CYBERJUSTSU: CYBERSECURITY FOR THE MODERN NINJA .	MCCARTY	2021	9,471
Computer	3D GRAPHICS RENDERING COOKBOOK: A COMPREHENSIVE GUIDE TO EXPL	KOSAREVSKY	2021	9,473
Computer	AUGMENTED REALITY WITH UNITYAR FOUNDATION: A PRACTICAL GUIDE TO	LINOWES	2021	9,473
Computer	FPGA PROGRAMMING FOR BEGINNERS	BRUNO	2021	9,516
Computer	MACHINE LEARNING ENGINEERING WITH PYTHON	MCMAHON	2021	9,516
Computer	PRACTICAL THREAT INTELLIGENCE AND DATA-DRIVEN THREAT HUNTING	GAZCON	2021	9,516
Computer	PYTHON ETHICAL HACKING FROM SCRATCH	SARWAR	2021	9,516
Computer	CYBER SECURITY EDUCATION PRINCIPLES AND POLICIES	AUSTIN	2021	9,653
Computer	SOFTWARE QUALITYASSURANCE: INTEGRATING TESTING, SECURITY, AND	MAGFUZ,A.S	2021	9,653
Computer	FUNDAMENTALS OF CRYPTOGRAPHY	BUELL	2021	9,964
Computer	ARCHITECTING HIGH PERFORAMNCE EMBEDDED SYSTEMS .	LEDIN	2021	10,150
Computer	DEVELOPING IOT PROJECTS WITH ESP32: AUTOMATE YOUR HOME OR BUSI	OZAN	2021	10,150
Computer	HANDS ON UNSUPERVISED LEARNING WITH PYTHON .	GIUSEPPE	2021	10,150
Computer	HOW LINUX WORKS: WHAT EVERY SUPERUSER SHOULD KNOW .	WARD	2021	10,150
Computer	LEARN LLVM 12: A BIGINNERS GUIDE TO LEARNING LLVM COMILER TOOLS A	NACKE	2021	10,150
Computer	LEARNING JAVA BY BUILDING ANDROID GAMES: LEARN JAVAAND ANDROID	HORTON	2021	10,150
Computer	LEARNING BLENDER _A HANDS ON GUIDE TO CREATING 3DANIMATED TO C	VILLAR	2021	10,150
Computer	AZURE CLOUD NATIVE ARCHITECTURE MAPBOOK: EXPLORE MICROSOFT C	EYSKENS	2021	10,150
Computer	MACHINE LEARNING WITH THE ELASTIC STACK: EXPERT TECHNOIQUE TO I	COLLIER	2021	10,150
Computer	DESIGNING PROFESSIONAL WEBSITES WITH ODOO WEBSITE BUILDER CREATE AND CUSTOMIZE STATE-OF-THE-ART WEBSITES AND E-COMMERCE APPS FOR YOUR MODERN BUSINESS NEEDS	NANNAT	2021	10,196
Computer	LEARNING JAVA BY BUILDING ANDROID GAMES 3RD ED	HORTON	2021	10,196
Computer	NETWORKING ALL IN ONE FOR DUMMIES 8TH ED	LOWE	2021	10,196
Computer	PYTHON NETWORK PROGRAMMING TECHNIQUES 50 REAL-WORLD RECIPES TO AUTOMATE INFRASTRUCTURE NETWORKS AND OVERCOME NETWORKING CHALLENGES WITH PYTHON	NEIDINGER	2021	10,196
Computer	SOFTWARE ARCHITECTURE WITH C++ DESIGN MODERN SYSTEMS USING EFFECTIVE ARCHITECTURE CONCEPTS, DESIGN PATTERNS, AND TECHNIQUES WITH C++20	OSTROWSKI	2021	10,196
Computer	ONLINE TEACHING AT ITS BEST: MERGING INSTRUCTIONAL DESIGN WITH TE	NILSON	2021	10,378
Computer	DESIGINING CLOUD DATA PLATFORMS .	ZBURIIVSKY	2021	10,480
Computer	GRAPH POWERED MACHINE LEARNING .	NEGRO	2021	10,480
Computer	GOOD CODE, BAD CODE THINK LIKE A SOFTWARE ENGINEER	LONG	2021	10,527
Computer	PRACTICAL R FOR BIOLOGISTS AN INTRODUCTION	QUICKE	2021	10,527
Computer	GAME DESIGN DEEP DIVE: ROGUELIKES .	BYCER	2021	10,621
Computer	FLUTTER FOR BEGINNERS 2ND ED	BAILEY	2021	10,649
Computer	GRAPH MACHINE LEARNING	STAMILE	2021	10,649

Computer	PYTHON OBJECT-ORIENTED PROGRAMMING BUILD ROBUST AND MAINTAINABLE OBJECT-ORIENTED PYTHON APPLICATIONS AND LIBRARIES 4TH ED	LOTT	2021	10,649
Computer	AUTHENTICATION AND ACCESS CONTROL: PRACTICAL CRYPTOGRAPHY ME	BOONKRONG	2021	10,673
Computer	COMPUTER VISION WITH MAKER TECH: DETECTING PROPLE WITH A RESPB	MANGANIELLO	2021	10,673
Computer	CONVOLUTIONAL NEURAL NETWORKS WITH SWIFT FOR TENSOR- FLOW: IM	KOONCE	2021	10,673
Computer	CYBER SECURITY ON AZURE	COPELAND	2021	10,673
Computer	PRO CRYPTOGRAPHYAND CRYPTANALYSIS WITH C++20: CREATING AND PR	LULIAN	2021	10,673
Computer	CONTROLAND DYNAMICS IN POWER SYSTEMS AND MICRO GRID	FAN	2021	10,756
Computer	ADVANCED ALGORITHMS AND DATA STRUCTURES .	ROCCA	2021	10,827
Computer	API DESIGN PATTERNS .	GCEWAX	2021	11,032
Computer	CYBER FORENSICS: EXAMINING EMERGING AND HYBRID TECHNOLOGIES	MARCERLLA	2021	11,032
Computer	AI FOR CARS	AULINAS	2022	3,946
Computer	PRACTICAL GUIDE TO IT PROBLEM MANAGEMENT	ANDREW DIXON	2022	4,135
Computer	DATA STRATEGY HOW TO PROFIT FROM A WORLD OF BIG DATA, ANALYTICS AND ARTIFICIAL INTELLIGENCE 2ND ED	MARR	2022	5,262
Computer	WINDOWS 11 SIMPLIFIED	MCFEDRIES P	2022	5,640
Computer	MASTERING FLUTTER A BEGINNER'S GUIDE	SUFYAN BIN UZAYR	2022	6,342
Computer	MASTERING GNOME A BEGINNER'S GUIDE	SUFYAN BIN UZAYR	2022	6,342
Computer	PYTHON FOR CYBERSECURITY: USING PYTHON FOR CYBER OFFENSE & DE	POSTON	2022	6,768
Computer	ONE-WEEK DUNGEONS DIARIES OF A SEVEN-DAY ROGUELIKE CHALLENGE	DAVID L. CRADDOCK	2022	7,446
Computer	MODERN SOFTWARE ENGINEERING	FARLEY	2022	8,273
Computer	BEGINNING TEACHING WITH DIGITAL TECHNOLOGY	BLANNIN J	2022	8,273
Computer	MAKE TOONS THAT SELL WITHOUT SELLING OUT 10TH ANNIVERSARY EDITI	BILL PLYMPTON	2022	8,872
Computer	AZURE CLOUD SECURITY FOR ABSOLUTE BEGINNERS: ENABLING CLOUD IN	HERATH	2022	9,013
Computer	COMPUTER VISION AND AUGMENTED REALITY IN IOS: OPENCV AND ARKITA	BEKHIT	2022	9,013
Computer	WEB APP DEVELOPMENTAND REAL TIME WEB ANALYTICS WITH PYTHON	NOKERI	2022	9,013
Computer	LEARN API TESTING: NORMS, PRATICES, AND GUIDELINES FOR BUILDING E	JAIN	2022	9,013
Computer	WINDOWS 11 ALL-IN-ONE FOR DUMMIES	RUSEN C A	2022	9,013
Computer	CRYSTAL PROGRAMMING	DIETRICH	2022	9,063
Computer	LEARN COMPUTER FORENSICS YOUR ONE-STOP GUIDE TO SEARCHING, ANALYZING, ACQUIRING, AND SECURING DIGITAL EVIDENCE 2ND ED	OETTINGER	2022	9,063
Computer	ARTIFICIAL INTELLIGENCE AN INRODUCTION FOR THE INQUISITIVE READER	CHEN	2022	9,211
Computer	FREELANCE VIDEO GAME WRITING THE LIFE & BUSINESS OF THE DIGITAL M	TOIYA KRISTEN FINL	2022	9,653
Computer	FRESH LOOK AT FRAUD THEORETICAL AND APPLIED PERSPECTIVES	YANIV HANOCH, STA	2022	9,653
Computer	CYBER SECURITY	LU	2022	10,436
Computer	PRACTICALAPPROACH TO INTERDISCIPLINARY COMPLEX REHABILITA	CARA PELSER, HELE	2022	10,601
Computer	DISTRIBUTED MACHINE LEARNING WITH PYTHON	WANG	2022	10,649

Computer	ESSENTIAL MATHEMATICS FOR QUANTUM COMPUTING	WOODY	2022	10,649
Computer	MASTERING CYBER INTELLIGENCE	DAHJ	2022	10,649
Computer	KNOWLEDGE DISCOVERY FROM MULTI-SORCED DATA	HONGZHI	2022	10,673
Computer	MACHINE LEARNING WITH PYSPARK_WITH NATURAL LANGUAGE PROCESSI	SINGH	2022	10,673
Economics	INTRODUCTION TO ECONOMICS FOR B.COM. (I.T) & B.COM (HONS.)	RIZAVI	2015	248
Economics	A TEXTBOOK OF ECONOMICS B.COM , BBA, BS (HONS)	NASIR	2021	324
Economics	ECONOMICS OF ISLAM A COMPARATIVE STUDY	AHMAD	2016	446
Economics	THE ECONOMY OF MODERN SINDH OPPORTUNITIES LOST AND LESSONS FOR THE FUTURE	HUSAIN	2019	626
Economics	FIRST PRINCIPLES OF ISLAMIC ECONOMICS	MAWDUDI	2019	630
Economics	ECONOMIC TEACHINGS OF PROPHET MUHAMMAD (MAY PEACE BE UPON HIM) A SELECT ANTHOLOGY OF HADITH LITERATURE ON ECONOMICS	KHAN	2018	720
Economics	DOING DEVELOPMENT BETTER	MUKHTAR	2020	720
Economics	PAKISTAN THE ECONOMY OF AN ELITIST STATE 2ND ED	HUSAIN	2020	927
Economics	SUSTAINABLE ENGINEERING CONCEPTS, DESIGN AND CASE STUDIES	ALLEN	2015	989
Economics	THE GENERAL THEORY OF EMPLOYMENT, INTEREST & MONEY	KEYNES	2017	1,050
Economics	PUKHTUN ECONOMY AND SOCIETY TRADITIONAL STRUCTURE AND ECONOMIC DEVELOPMENT IN A TRIBAL SOCIETY	AHMED	2016	1,166
Economics	PAKISTAN ECONOMIC SURVEY 2014-2015 (GOVT. PUBLICATION NO DISCOUNT)	GOVT.	2015	1,170
Economics	PAKISTAN ECONOMIC SURVEY 2016-17 (GOVT. PUBLICATION NO DISCOUNT)	GOVT.	2017	1,170
Economics	ELEMENTS OF BLUE ECONOMY	RAO	2020	1,170
Economics	PAKISTAN'S ECONOMIC JOURNEY NEED FOR A NEW PARADIGM	FASIH UDDIN	2018	1,350
Economics	MICROECONOMICS	HUBBARD	2016	1,418
Economics	MACROECONOMICS 2ND ED	D'SOUZA	2017	1,755
Economics	ISSUES IN PAKISTAN'S ECONOMY A POLITICAL ECONOMY PERSPECTIVE 3RD ED	ZAIDI	2022	1,796
Economics	SINGAPORE MIRACLE OF A MENTOR STUDY OF POLITICAL ECONOMY	KHAWAJA	2018	1,800
Economics	7TH CENTURY MADINA ECONOMICS THE FIRST ECONOMIC SYSTEM OF THE MANKIND	AHMED	2020	1,800
Economics	PAKISTAN ECONOMIC SURVEY 2020-21 (GOVT PUBLICATION NO DISCOUNT)	GOVT.	2021	1,800
Economics	MODERN ECONOMIC THEORY REVISED EDITION	DEWETT	2018	1,970
Economics	FUNDAMENTALS OF ISLAMIC ECONOMICS AND FINANCE	YASIN	2019	1,980
Economics	ENVIRONMENTAL ECONOMICS & MANAGEMENT THEORY, POLICY, AND APPLICATIONS 6TH ED	CALLAN	2016	2,013
Economics	ECONOMIC THEORY & OPERATIONS ANALYSIS 4TH ED	BAUMOL	2015	2,038
Economics	PRINCIPLES OF MACROECONOMICS WITH COURSEMATE ONLINE ACCESS 7TH ED	MANKIW	2019	2,126
Economics	PRINCIPLES OF MICROECONOMICS WITH COURSEMATE ONLINE ACCESS 7TH ED	MANKIW	2019	2,126
Economics	ECONOMICS AND ECONOMIC POLICY ISLAMIC PERSPECTIVE.	AYUB	2022	2,250
Economics	PAKISTAN ECONOMIC SURVEY 2021-2022 (GOVT. PUBLICATION NO DISCOUNT)	GOVT	2022	2,250
Economics	CAMBRIDGE INTERNATIONAL AS AND A LEVEL ECONOMICS WITH CD	SMITH	2016	2,426

Economics	MACROECONOMICS 9TH ED	COLANDER	2017	2,481
Economics	ECONOMICS 6TH ED	SLOMAN	2018	2,690
Economics	IMPACT OF PAKISTAN MARITIME AFFAIRS OF BLUE ECONOMY IN BACKDROP OF CPEC	SHAHZAD	2020	2,700
Economics	ECONOMICS AND ECONOMIC POLICY ISLAMIC PERSPECTIVE	AYUB	2022	2,700
Economics	THE END OF POVERTY HOW WE CAN MAKE IT HAPPEN IN OUR LIFETIME	SACHS	2017	2,893
Economics	MACROECONOMICS THEORIES AND POLICIES 10TH ED	FROYEN	2020	2,900
Economics	SHOULD RICH NATIONS HELP THE POOR	HULME	2016	2,922
Economics	WILL CHINA'S ECONOMY COLLAGE	ANN LEE	2017	2,922
Economics	CAN THE EURO BE SAVED?	SAWYER	2018	2,922
Economics	PASSION ECONOMY THE NEW RULES FOR THRIVING IN THE TWENTY FIRST	DAVIDSON	2020	3,032
Economics	ACCOUNTS OF CHINA AND INDIA	ABU ZAYD AL-SIRAFI	2017	3,156
Economics	OXFORD DICTIONARY OF ECONOMICS 5RD ED	BLACK	2017	3,156
Economics	A LITTLE HISTORY OF ECONOMICS	KISHTAINY	2017	3,399
Economics	COEVOLUTION IN ECONOMIC SYSTEMS	ALMUDI	2021	3,949
Economics	ECONOMIC PRINCIPLES OF COMMODITY TAXATION	SMITH	2021	3,949
Economics	THE ECONOMICS OF CONFLICT AND PEACE	SILWAL	2021	3,949
Economics	CAMBRIDGE IGCSE & O LEVEL ECONOMICS REVISION GUIDE	BAMFORD	2018	4,124
Economics	INSIGHTS IN GLOBAL HEALTH: A COMPENDIUM OF HEALTHCARE FACILITIES	ELAHI	2021	4,135
Economics	DEFENSE, PEACE, AND WAR ECONOMICS	COYNE	2020	4,138
Economics	GOOD ECONOMICS FOR HARD TIMES	BANERJEE	2021	4,284
Economics	BITCOIN FOR DUMMIES	PRYPTO	2016	4,510
Economics	APPLICATION OF IT AND MANAGEMENT IN ECONOMIC GROWTH	SINHA	2015	4,536
Economics	ECONOMIC PHILOSOPHY	ROBINSON	2021	4,687
Economics	MICROECONOMICS FOR DUMMIES	RASHID	2016	4,961
Economics	ECONOMICS FOR DUMMIES	FIYNN	2018	5,187
Economics	A CULTURE OF GROWTH: THE ORIGINS OF THE MODERN ECONOMY	MOKYR	2018	5,201
Economics	SEVEN DEADLY ECONOMICS SINS:: OBSTACLES TO PROSPERITY AND HAPP	OTTESON	2021	5,239
Economics	WHAT ANYONE CAN DO	BOTTARY	2018	5,515
Economics	ECONOMIST'S VIEW OF THE WORLD AND THE QUEST FOR WELL-BEING	RHOADS	2021	5,517
Economics	BRITAIN BEYOND BREXIT	KELLY	2019	5,629
Economics	THE POLITICAL ECONOMY OF INTERNATIONAL TRADE	HEYDON	2020	5,654
Economics	ECONOMIES AFTER COLONIALISM GHANA AND THE STRUGGLE FOR POWER	WHITFIELD	2020	6,052
Economics	RECONSTRUCTING THE GLOBAL POLITICAL ECONOMY AN ANALYTICAL GUIDE	ANDERSSON	2020	6,052
Economics	NARRATIVE ECONOMICS	SHILLER	2019	6,306
Economics	MACROPRUDENTIAL POLICY AND PRACTICE	MIZEN	2020	6,315
Economics	DISICIPLINED ENTREPRENEUSHIP	AULET	2017	6,317
Economics	DEATHS OF DESPAIR AND THE FUTURE OF CAPITALISM	DEATON	2020	6,334
Economics	PUBLIC SPENDING AND THE ROLE OF THE STATE: HISTORY, PERFORMANCE	SCHUKNECHT	2020	6,342
Economics	MONEY AND THE RULE OF LAW	BOETTKE	2021	6,342
Economics	BEYOND GRIDLOCK	HALE	2017	6,531
Economics	WILLY BRANDT LIFE OF STATEMAN	DELACROIX	2016	6,581
Economics	IDENTITY CRISIS TEACHING IMAGINARY ECONOMICS VERSUS REAL ECONOMICS	WENTLAND	2019	6,845
Economics	ECONOMICS AS ANATOMY .	SWANN	2020	7,173

Economics	CAMBRIDGE IGCSE AND O LEVEL ECONOMICS COURSE BOOK	GRANT,S	2018	7,242
Economics	THE BEHAVIORAL ECONOMICS OF INFLATION EXPECTATIONS MACROECONOMICS MEETS PSYCHOLOGY	ROTHELI	2020	7,368
Economics	THE POVERTY PROBLEM HOW EDUCATION CAN PROMOTE RESILIENCE AND COUNTER POVERTY'S IMPACT ON BRAIN DEVELOPMENT AND FUNCTIONING	SANCHEZ	2021	7,368
Economics	GLOBAL CULTURAL ECONOMY	SPENCE	2019	7,446
Economics	THE INTELLECTUAL PROPERTY OF NATIONS SOCIOLOGICAL AND HISTORICAL PERSPECTIVES ON A MODERN LEGAL INSTITUTION	FORD	2021	7,895
Economics	CONTROVERSIES IN ECONOMICS AND FINANCE .	MOOSA	2021	8,262
Economics	UNDERSTANDING HEALTHCARE ECONOMICS: MANAGING YOUR CAREER	WENDEL	2018	8,273
Economics	CHANGING THE GAME	SIMONS	2021	8,273
Economics	RIVATISATION IN DEVELOPMENT COUNTRIES .	RAMANADHAM	2021	8,273
Economics	CONTEMPORARY PLANNING PRACTICE SKILLS, SPECIALISM AND KNOWLEDGE	PARKER	2021	8,623
Economics	THE GLOBAL ECONOMY A CONCISE HISTORY	AMATORI	2020	8,685
Economics	COMPARATIVE POLITICAL ECONOMY STATES, MARKETS AND GLOBAL CAPITALISM 2ND ED	CLIFT	2021	8,685
Economics	THEORIES AND PRACTICES OF DEVELOPMENT 3RD ED	WILLIS	2021	8,685
Economics	THE PRINCIPLES OF POLITICAL ECONOMY WITH A SKETCH OF THE RISE AND PROGRESS OF THE SCIENCE	MCCULLOCH	2017	8,687
Economics	HEALTH ECONOMICS: AN INTERNATIONAL PERSPECTIVE	MCPAKE	2020	9,101
Economics	ASIAN ECONOMY	GOTO	2021	9,101
Economics	RURAL DEVELOPMENT IN PRACTICE EVOLVING CHALLENGES AND OPPERTUNITIES	EEKELEN	2020	9,211
Economics	GLOBAL ENGLISH AND POLITICAL ECONOMY	O'REGAN	2021	9,211
Economics	UNDERSTANDING LOCAL ECONOMIC DEVELOPMENT 2ND ED	MALIZIA	2021	9,211
Economics	A WORLD WITHOUT CAPITALISM? ALTERNATIVE DISCOURSES, SPACES, AND IMAGINARIES	CHUN	2022	9,211
Economics	ECONOMICS OF TOURISM AND HOSPITALITY A MICRO APPROACH	CHEN	2021	9,474
Economics	ENVIRONMENTAL ECONOMICS AN INTRODUCTION 8TH ED	FIELD	2021	9,631
Economics	PREPARING FOR THE NXT FINANCIAL CRISIS .	BANDT	2021	9,653
Economics	PSYCHOLOGY AND BEHAVIORAL ECONOMICS: APPLICATIONS FOR PUBLIC P	RUGGERI	2022	9,653
Economics	PUBLIC ECONOMICS A CONCISE INTRODUCTION	BARROSO	2022	9,653
Economics	R ORLD HERITAGE CONCEPTS, MANAGEMENT AND CONSERVATION W	SIMON C. WOODWA	2022	9,653
Economics	MUSLIM WOMEN IN THE ECONOMY DEVELOPMENT, FAITH AND GLOBALISATION	SAMANI	2020	9,738
Economics	TOURISM, RESILIENCE AND SUSTAINABILITY ADAPTING TO SOCIAL, POLITICAL AND ECONOMIC CHANGE	CHEER	2021	9,738
Economics	THE ESSENTIAL GUIDE TO CRITICAL DEVELOPMENT STUDIES 2ND ED	VELTMAYER	2022	9,738
English	ADVANCED MACROECONOMICS 5TH ED	ROMER	2019	19,716
English	WHISPERS	EDNA	2019	356
English	BULLEH SHAH A SELECTION	AHMED	2021	410

English	LINGUISTICS FOR BEGINNERS BASIC CONCEPTS	RAHMAN	2019	446
English	A HISTORY OF PAKISTANI LITERATURE IN ENGLISH 1947-1988	REHMAN	2021	468
English	OXFORD ENGLISH FOR UNDERGRADUATES REVISED AND UPDATED	HOWE	2020	495
English	WREN & MARTIN HIGH SCHOOL ENGLISH GRAMMAR & COMPOSITION	WREN	2020	626
English	OXFORD PRACTICE GRAMMAR WITH ANSWERS 2ND ED	EASTWOOD	2022	626
English	A DOLL'S HOUSE.	IBSEN	2020	680
English	DEFIANCE OF THE ROSE SELECTED POEMS BY PERVIN SHAHKAR	RASHID	2019	896
English	PLACE AND POSTCOLONIAL ECOFEMINISM PAKISTANI WOMAN'S LITERARY AND CINEMATIC FICTIONS	REHMAN	2021	896
English	POEMS FROM IQBAL RENDERIG IN ENGLISH VERSE WITH COMPARATIVE URDU TEXT	KIERNAN	2022	896
English	SELCTED ESSAYS	AL FARUQI	2022	900
English	GREAT SPEECHES	LINCOIN	2019	906
English	THE RED BADGE OF COURAGE	CRANE	2019	906
English	THE UNITED STATES CONSTITUTION THE FULL TEXT WITH SUPPLEMENTARY MATERIALS	DOVER	2019	1,133
English	THE CASEBOOK OF SHERLOCK HOLMES DOVER THRIFT EDITIONS	DOYLE	2019	1,360
English	HISTORY'S GREATEST SPEECHES	DOVER	2020	1,360
English	NOTES ON NURSING: WHAT IT IS, AND WHAT IT IS NOT	NIGHTINGALE	2019	1,575
English	LANGUAGES OF NORTHERN PAKISTAN ESSAYS IN MEMORY OF CARLA RADLOOF	BAART	2022	1,809
English	THE CANTERBURY TALES	CHAUCE	2021	1,863
English	PRACTICE TESTS PLUS WITH KEY FROM THE TEST DEVELOPERS VOL 1 WITH CD ROOM	PEARSON	2020	1,989
English	COMPLETE ESSAYS	BACON	2021	2,028
English	GREAT EXPECTATIONS....	DICKENS	2019	2,103
English	GULLIVER'S TRAVELS	SWIFT	2021	2,103
English	WITCHES STEEPED IN GOLD	SMART	2021	2,103
English	THE QUIET AMERICAN	GREENE	2019	2,367
English	THE WHISPER MAN	NORTH	2019	2,367
English	TO THE LIGHTHOUSE.	WOOLF	2019	2,367
English	THE OUTSIDER A NOVEL	CAMUS	2020	2,367
English	ANIMAL FARM A FAIRY STORY	ORWELL	2021	2,367
English	ARISTOTLE'S WAY HOW ANCIENT WISDOM CAN CHANGE YOUR LIFE	HALL	2019	2,630
English	THE JOY LUCK CLUB	TAN	2019	2,630
English	THE WAY OF THE WORLD NEW EDITION	ROBERTS	2020	2,630
English	100 POEMS	HEANEY	2022	2,630
English	ENGLISH AS A GLOBAL LANGUAGE 2ND ED	CRYSTAL	2019	3,156
English	HEDDA GABLER AND OTHER PLAYS PENGUIN CLASSICS	IBSEN	2019	3,156
English	ULYSSES DOVER THRIFT EDITIONS	JOYCE	2021	3,173
English	MOHANDAS K. GANDHI AUTOBIOGRAPHY THE STORY OF MY EXPERIMENTS WITH TRUTH	DOVER	2020	3,388
English	A LITTLE HISTORY OF POETRY	CAREY	2021	3,399
English	A NEW VOYAGE ROUND THE WORLD	DAMPIER	2020	3,420
English	FRANKENSTEIN	SHELLY	2020	3,420
English	OEDIPUS TYRANNOS NORTON CRITICAL EDITIONS	SOPHOCLES	2022	3,683
English	THE CREAKERS	FLETCHER	2019	3,850
English	BRILLIANT ESSAYS	HACKETT	2021	3,946
English	IRON WIDOW	ZHAO	2021	3,946
English	HELL OF A BOOK A NOVEL	MOTT	2021	4,079

English	GREEK TRAGEDY THEMES AND CONTEXTS	SWIFT	2020	4,209
English	STORYCRAFT: HOW TO TEACH NARRATIVE WRITING	GRIFFIN	2019	4,473
English	FILM STUDIES THE BASICS 3RD ED	VILLAREJO	2022	4,473
English	ENGLISH FOR EVERYONE: IDIOMS MODISMOS AND EXPRESIONES IDOMÁTICAS DLE INGLÉS	DK	2019	4,530
English	ENGLISH FOR EVERYONE ENGLISH PHRASAL VERBS	DK	2021	4,530
English	TELL IT SLANT CREATING, REFINING, AND PUBLISHING CREATIVE NONFICTION 3RD ED	MILLER	2019	4,532
English	PRAGMATICS THE BASICS	CLARK	2022	4,736
English	ANATOMY OF CRITICISM FOUR ESSAYS	FRYE	2020	5,201
English	SHAKESPEAREAN TRAGEDY	RYAN	2021	5,262
English	ACADEMIC WRITING FOR UNIVERSITY STUDENTS	BAILEY	2022	5,262
English	WRITING THE RESEARCH PAPER	MCCARTHY	2022	5,262
English	APPLIED LINGUISTICS IN THE REAL WORLD	FRIEDRICH	2019	5,526
English	THE FEMINISM BOOK BIG IDEAS SIMPLY EXPLAINED	DK	2019	5,666
English	THE CRAFT OF POETRY A PRIMER IN VERSE	NEWLYN	2021	5,666
English	ENGLISH FOR ACADEMIC CVS, RESUMES, AND ONLINE PROFILES	WALLWORK	2019	5,672
English	CRITICAL WRITING A GUIDE TO WRITING A PAPER USING THE CONCEPTS AND PROCESSES OF CRITICAL THINKING	NOSICH	2022	5,789
English	FINE BOYS A NOVEL	IMASUEN	2021	6,042
English	THE CAMBRIDGE INTRODUCTION TO NARRATIVE 3RD ED	ABBOTT	2021	6,052
English	VIRAL A NOVEL	COOK	2021	6,119
English	PARADISE LOST 2ND NORTON CRITICLA EDITION	MILTON	2020	6,175
English	CREATING CONFIDENT WRITERS FOR HIGH SCHOOL, COLLEGE, & LIFE	HICKS	2020	6,207
English	CREATIVE WRITING DRAFTING REVISING AND EDITING	HARPER	2020	6,315
English	HOW TO READ A POEM SEVEN STEPS	FORD	2021	6,579
English	THE PRAGMATICS OF FICTION LITERATURE, STAGE AND SCREEN DISCOURSE	LOCHER	2021	6,579
English	THE PENGUIN BOOK OF FEMINIST WRITING	DAWSON	2021	6,581
English	THE LIVES OF LITERATURE READING, TEACHING, KNOWING	WEINSTEIN	2021	6,787
English	HISTORY OF ENGLISH A RESOURCE BOOK FOR STUDENTS 2ND ED	MCLNTYRE	2020	7,105
English	A STUDENT'S INTRODUCTION TO ENGLISH GRAMMAR 2ND ED	HUDDLESTON	2022	7,105
English	PRACTICE TESTS PLUS WITH KEY FROM THE TEST DEVELOPERS VOL 2	PEARSON	2020	7,470
English	AN INTRODUCTION TO CONVERSATION ANALYSIS 3RD ED	LIDDICOAT	2022	7,632
English	PRACTICE TESTS PLUS WITH KEY FROM THE TEST DEVELOPERS VOL 3	PEARSON	2020	7,650
English	SPACIOUS JOY AN ESSAY IN PHENOMENOLOGY AND LITERATURE	CHRETIEN	2019	7,884
English	ADVANCED ENGLISH GRAMMAR A LINGUISTIC APPROACH 2ND ED	DEPRAETERE	2020	7,895
English	DATA COLLECTION RESEARCH METHODS IN APPLIED LINGUISTICS	ROSE	2022	7,895
English	READING POETRY A COMPLETE COURSEBOOK 3RD ED	FURNISS	2022	7,895
English	THE PENGUIN MODERN CLASSICS BOOK	ELIOT	2021	7,898
English	EXPLORING INTERCULTURAL COMMUNICATION LANGUAGE IN ACTION 2ND ED	HUA	2019	8,685

English	PRACTICAL ENGLISH PHONETICS AND PHONOLOGY A RESOURCE BOOK FOR STUDENTS 4TH ED	COLLINS	2019	8,685
English	LITERATURE IN ENGLISH HOW AND WHY 2ND ED	RAINSFORD	2020	8,685
English	LANGUAGE AND MEDIA A RESOURCE BOOK FOR STUDENTS 2ND ED	JONES	2021	8,685
English	THE CAMBRIDGE INTRODUCTION TO APPLIED LINGUISTICS	CONRAD	2021	8,685
English	USING CRITICAL THEORY HOW TO READ AND WRITE ABOUT LITERATURE 3RD ED	TYSON	2021	8,685
English	ANALYSING SENTENCES AN INTRODUCTION TO ENGLISH SYNTAX 5TH ED	ROBERTS	2022	8,685
English	DIGITAL TEACHING FOR LINGUISTICS	GREGORY	2022	8,685
English	INTRODUCTION TO LITERARY ANALYSIS A COMPLETE METHODOLGY	HEBERT	2022	8,685
English	TEACHING AND LEARNING PRAGMATICS WHERE LANGUAGE AND CULTURE MEET 2ND ED	ISHIHARA	2022	8,685
English	THE ROUTLEDGE INTRODUCTIOIN TO AMERICAN DRAMA	THIFault	2022	8,685
English	WRITING SCIENCE IN THE TWENTY-FIRST CENTURY	THAISS	2019	9,053
English	LANGUAGE, SOCIETY, AND NEW MEDIA SOCIOLINGUISTICS TODAY 3RD ED	DANESI	2020	9,211
English	LINGUISTICS FOR LANGUAGE TEACHERS LESSONS FOR CLASSROOM PRACTICE	JOHNSON	2020	9,211
English	TRANSLATION AND STYLE 2ND ED	BEIER	2020	9,211
English	CRITICAL THEMES IN DRAMA SOCIAL, CULTURAL AND POLITICAL ANALYSIS	FREEBODY	2021	9,211
English	THE NEW MODERNIST STUDIES READER AN ANTHOLOGY OF ESSENTIAL CRITICISM	LATHAM	2021	9,211
English	KAPLAN GRE PREP PLUS 2023 6 PRACTICE TESTS+PROVEN STRATEGIES+ONLINE	KAPLAN	2023	9,474
English	THE BEDFORD HANDBOOK 11TH ED	HACKER	2020	10,212
English	INTRODUCING SOCIOLINGUISTICS 3RD ED	MEYERHOFF	2019	10,264
English	WRITING HIGH-QUALITY MEDICAL PUBLICATIONS A USER'S MANUAL	GUTKIN	2019	10,264
English	SECOND LANGUAGE LEARNING THEORIES 4TH ED	MITCHELL	2019	10,527
English	THE ROUTLEDGE HANDBOOK OF SEMANTICS	RIEMER	2019	10,527
English	THE ROUTLEDGE HANDBOOK OF LANGUAGE AND MEDIA	COTTER	2020	10,527
English	CLASSICAL LITERATURE AND POSTHUMANISM	CHESi	2021	10,527
English	THE ROUTLEDGE HANDBOOK OF PHONOLOGICAL THEORY	BOSCH	2021	10,527
English	THE SHAKESPEAREAN WORLD	LEVENSON	2021	10,527
Finance	MONEY BANKING & FINANCE FOR B.COM PART- I	NASIR	2020	315
Finance	AN INTRODUCTION TO ISLAMIC FINANCE	USMANI	2018	495
Finance	BANKS AND EXECUTIVE LEADERSHIP	FAZUL SULEIMAN KAZI	2018	795
Finance	FINANCE OF FOREIGN TRADE AND FOREIGN EXCHANGE 6TH REVISED EDITION	ASRAR H SIDDIQI	2017	995
Finance	LAW AND PRACTICE OF BANKING IN PAKISTAN 5TH/ED	SALAM ANSARI	2020	1,000
Finance	OPTIONS, FUTURES, AND OTHER DERIVATIVES 9TH ED	HULL	2017	1,361
Finance	INTERNATIONAL FINANCE THEORY AND POLICY 10TH ED	KRUGMAN	2017	1,556
Finance	CURRENT AFFAIRS POINTERS 2019 FOR PCS/SSC/BANKING QUESTION-ANSWERS	SINGHANIA	2019	1,575
Finance	ISLAMIC FINANCE 101 LEARNING THROUGH STORIES	IMRAN	2021	1,796

Finance	PRINCIPLES OF RISK MANAGEMENT AND INSURANCE 13TH ED	REJDA	2018	1,953
Finance	FINANCIAL SERVICES	SIDDAIAH	2018	1,982
Finance	FINANCIAL INSTITUTIONS & MARKETS 10TH ED	MADURA	2018	2,197
Finance	MERCHANT BANKING AND FINANCIAL SERVICES 2ND ED	MADHU VIJ	2018	2,380
Finance	FINANCE SENSE 5TH ED FINANCE FOR NON-FINANCE EXECUTIVES	CHANDRA	2017	2,481
Finance	BOND MARKETS, ANALYSIS AND STRATEGIES 8TH ED	FABOZZI	2019	2,549
Finance	MANAGEMENT OF BANKING AND FINANCIAL SERVICES 3RD ED	SURESH	2018	2,832
Finance	INVESTMENT BANKING CONCEPTS ANAYSIS AND CASES 3RD ED	GIRI	2017	2,935
Finance	ASIAN CORPORATE GOVERNANCE	YOSHIKAWA	2018	3,949
Finance	CORPORATE GOVERNANCE AND LEADERSHIP THE BOARD AS THE NEXUS OF LEADERSHIP-IN-GOVERNANCE	CIKALIUK	2020	3,949
Finance	CASES IN FINANCE 3RD ED THIS INTERNATIONAL STUDENT EDITION IS FOR USE OUTSIDE THE U.S.	DEMELLO	2018	5,552
Finance	MEASURING SOCIAL CHANGE PERFORMANCE AND ACCOUNTABILITY IN A COMPLEX WORLD	EBRAHIM	2019	6,799
Finance	MATHEMATICS OF FINANCE: AN INTUITIVE INTRODUCTION	SAARI D G	2019	7,827
Finance	CONTEMPORARY CFO: HOW FINANCE LEADERS CAN DRIVE BUSINESS TRANSFORMATION PERFORMANCE AND GROWTH	HAUPT M	2022	8,273
Finance	VALUE PRICING FOR ACCOUNTING PROFESSIONALS: A COMPLETE GUIDE FOR ACCOUTANTS AND BOOKKEEPERS TO FINE	WICKERSHAM M	2022	8,273
Finance	CORPORATE FINANCE THEORY AND PRACTICE IN EMERGING ECONOMIES	MAHAJAN	2020	9,211
Finance	READING IMAGES THE GRAMMER OF VISUAL DESIGN 3RD ED	KRESS	2021	9,211
Finance	NUMERICAL PROBABILITY: AN INTRODUCTION WITH APPLICATIONS TO FINANCE	PAGES G	2018	9,252
Finance	UNDERSTANDING ISLAMIC FINANCIAL SERVICES THEORY AND PRACTICE	KARIM ULLAH	2017	10,527
Finance	CONTEMPORARY ISSUES IN DEVELOPMENT FINANCE	ABOR	2021	10,527
Finance	FINANCIAL INSTITUTIONS MANAGEMENT A RISK MANAGEMENT APPROACH 10TH ED	SAUNDERS	2021	10,538
Finance	GLOBAL ANTI-MONEY LAUNDERING REGULATORY LANDSCAPE IN LESS DEVELOPED CO	MUGARURA N	2017	10,756
Finance	PRAGMATISM AND POLITICAL CRISIS MANAGEMENT PRINCIPLE AND PRACTICAL RATIONALITY DURING THE FINANCIAL CRISIS	ANSELL	2021	10,866
Finance	CORPORATE FINANCE CORE PRINCIPLES AND APPLICATIONS 6TH ED	ROSS	2020	10,991
Finance	OPERATIONAL RISK MANAGEMENT IN FINANCIAL SERVICES: A PRACTICAL GUIDE TO ESTABLISHING EFFECTIVE SOLUT	PYKHOVA E	2021	11,032
Finance	FOUNDATIONS OF FINANCIAL MANAGEMENT 16TH ED	BLOCK	2017	11,093
Finance	ASSET-LIABILITY AND LIQUIDITY MANAGEMENT	FARAHVASH P	2020	11,269
Finance	FINANCIAL MARKETS AND INSTITUTIONS A EUROPEAN PERSPECTIVE 4TH ED	HAAN	2020	11,317
Finance	INTERNATIONAL FINANCIAL MANAGEMENT 9TH ED	RESNICK	2021	11,546
Finance	FUNDAMENTALS OF RISK MANAGEMENT UNDERSTANDING,	HOPKIN	2022	11,844

	EVALUATING AND IMPLEMENTING EFFECTIVE ENTERPRISE RISK MANAGEMENT 6TH ED			
Finance	SUSTAINABILITY IN BUSINESS: A FINANCIAL ECONOMICS ANALYSIS	MYERS D	2020	11,860
Finance	BANKING ON THE FUTURE OF ASIA AND THE PACIFIC 50 YEARS OF THE ASIAN DEVELOPMENT BANK	MCCAWLEY	2017	12,811
Finance	MICROECONOMICS 6TH/ED (EMEA EDITION)	BESANKO D	2020	12,858
Finance	INVESTMENTS ANALYSIS AND MANAGEMENT 14TH ED	JENSEN	2020	12,915
Fine Arts	PLAY SUBVERSIVE CONTEMPORARY ART IN PAKISTAN AND THE DIASPORA	ALI	2022	1,796
Fine Arts	RAAG MUSIC A PRACTICAL GUIDE	HAMID	2015	1,800
Fine Arts	ABSTRACT EXPRESSIONISM 2ND ED	ANFAM	2015	2,619
Fine Arts	ART OF PAKISTAN INDIGENOUS ELEMENTS AND WESTERN INFLUENCES	QURESHI	2017	2,700
Fine Arts	ART SCENE OF PAKISTAN THE UNWRITTEN CHAPTER	ARSHAD	2018	2,700
Fine Arts	HOW TO UNDERSTAND ART	BENTON	2021	2,893
Fine Arts	MUHAMMAD JAVED A VERSATILE ARTIST AN ELABORATED DISQUISITION	MAHMOOD	2021	3,150
Fine Arts	LATE MUGHAL PERIOD MONUMENTS IN AND AROUND ZIARAT KAKA SAHIB NOWSHEHRA, KHYBER, PAKHTUNKHWA, PAKISTAN	SHAKIRULLAH	2018	3,195
Fine Arts	PEN & INK SKETCHING STEP BY STEP	LOHAN	2017	3,388
Fine Arts	WALL PAINTINGS OF SINDH FROM THE EIGHTEENTH TO TWENTIETH CENTURY	KALHORO	2020	3,600
Fine Arts	PAINTING MATERIALS A SHORT ENCYCLOPEDIA	GETTENS	2015	3,615
Fine Arts	WHERE'S THE ARTIST? FROM CAVE PAINTINGS TO MODERN ART: A LOOK AND FIND BOOK	REBSCHER	2015	3,946
Fine Arts	THE POLITICS OF AESTHETICS	RANCIERE	2017	3,946
Fine Arts	GRAPHIC DESIGN IN THE TWENTIETH CENTURY A CONCISE HISTORY	HOLLIS	2021	3,946
Fine Arts	WE ARE EXPLORERS EXTRAORDINARY WOMEN WHO DISCOVERED THE WORLD	HERBERT	2021	3,946
Fine Arts	HOW THINGS WORK AN ILLUSTRATED GUIDE TO THE MECHANICS IN THE WORLD AROUND US	CHARTWELL BOOKS	2019	3,949
Fine Arts	THE ART OF FASHION ILLUSTRATION LEARN THE TECHNIQUES AND INSPIRATION OF TODAY'S LEADING FASHION ARTISTS	TEJWANI	2015	4,209
Fine Arts	ART DAY BY DAY 366 BRUSHES WITH HISTORY	JOHNSON	2021	4,473
Fine Arts	ISLAMIC ART AND ARCHITECTURE.	HILLENBRAND	2021	4,473
Fine Arts	MAGICAL GEOMETRY PATTERNS IN GRAPHIC DESIGN	SENDPOINTS	2016	5,252
Fine Arts	THE MIDDLE EAST THE CRADLE OF CIVILIZATION	BOURKE	2018	5,252
Fine Arts	DELUXE FOIL STAMPING EMBOSsing AND DEBOSSING IN PRINT DESIGN	SENDPOINTS	2019	5,252
Fine Arts	IT'S MY TYPE	SENDPOINTS	2019	5,252
Fine Arts	THE LANGUAGE OF GRAPHIC DESIGN AN ILLUSTRATED HANDBOOK FOR UNDERSTANDING FUNDAMENTAL DESIGN PRINCIPLES REVISED AND UPDATED	POULIN	2018	5,262
Fine Arts	WOMEN ARTISTS AND THE SURREALIST MOVEMENT	CHADWICK	2021	5,265
Fine Arts	A LITTLE HISTORY OF ART	MULLINS	2022	5,666
Fine Arts	EXHIBIT LABELS AN INTERPRETIVE APPROACH 2ND ED	SERRELL	2015	6,568
Fine Arts	PAINTING NOW	HUDSON	2015	6,568
Fine Arts	LANDSCAPES JOHN BERGER ON ART	BERGER	2016	6,568
Fine Arts	HIGH GRADE LIVING A GUIDE TO CREATIVITY, CLARITY AND MINDFULNESS	LEWIS	2020	6,568

Fine Arts	THE ELEMENTRY A VISUAL HISTORY OF THEIR DISCOVERY	BALL	2021	6,581
Fine Arts	THE STORY OF ART	GOMBRICH	2016	7,358
Fine Arts	ANIMAL KINGDOM DESIGN WITH ANIMAL AESTHETICS	SENDPOINTS	2015	7,884
Fine Arts	PERSIAN PAINTING THE ARTS OF THE BOOK AND PORTRAITURE	AL-ISLAMIYYAH	2015	7,884
Fine Arts	HOME FUTURES	THE DESIGN MUSEUM	2018	7,884
Fine Arts	THE INTERIOR ARCHITECTURE THEORY READER	MARINIC	2018	7,895
Fine Arts	ISLAMIC ART.	MOZZATI	2019	7,895
Fine Arts	THE WORD IS ART	PETRY	2021	7,898
Fine Arts	CREATING THE VISITOR-CENTERED MUSEUM	SAMIS	2017	8,421
Fine Arts	THE CERAMICS READER	LIVINGSTONE	2017	8,685
Fine Arts	TREASURES FROM INDIA JEWELS FROM THE AL-THANI COLLECTION	HAIDAR	2015	9,065
Fine Arts	SHOW TIME THE ART OF EXIBITION BUSINESS EXIBITION, CULTURE EXIBITION	SENDPOINTS	2014	9,201
Fine Arts	CREATIVE SKETCHING IN PRODUCT DESIGN	SENDPOINTS	2019	9,201
Fine Arts	WILL YOU MARRY ME? CREATIVE WEDDING PLANNING & DESIGN	SENDPOINTS	2019	9,201
Fine Arts	RESEARCH FOR DESIGNERS: A GUIDE TO METHODS AND PRACTICE 2ND ED	MURATOVSKI	2022	9,211
Fine Arts	A HOUSE IN THE COUNTRY	PENNOYER	2016	9,214
Fine Arts	FLORAL JEWELS FROM THE WORLD'S LEADING DESIGNERS	WOOLTON	2014	9,872
Fine Arts	BRIGHTENING IT UP COLOR IN SPACE ARTISTIC COLORS FUNCTIONAL COLORS	SENDPOINTS	2014	10,517
Fine Arts	VITAMIN P3 NEW PERSPECTIVES IN PAINTING	ADNAN	2016	10,517
Fine Arts	SHAPING THE WORLD SCULPTURE FROM PREHISTORY TO NOW	GORMLEY	2021	10,530
Health	ROBBINS AND COTRAN PATHOLOGY COMPANION WORKBOOK	KLATT	2011	1,970
Health	WHEATER'S BASIC PATHOLOGY A TEXT, ATLAS AND REVIEW OF HISTOPATHOLOGY WITH STUDENT CONSULT ONLINE 5TH ED	YOUNG	2011	5,526
Health	PRACTICAL PATHOLOGY	DEY	2012	808
Health	BASICS OF PATHOLOGY AND DISEASE CORE GENERAL PATHOLOGY, MICROBIOLOGY AND IMMUNOLOGY	NAGI	2012	855
Health	MEDICAL MICROBIOLOGY PREP MANUAL FOR UNDERGRADUATES 2ND ED	NAGOBA	2012	1,559
Health	CLINICAL CASES PATHOLOGY 2ND ED	TOY	2013	1,926
Health	GANTZ'S MANUAL OF CLINICAL PROBLEMS IN INFECTIOUS DISEASE WITH ONLINE ACCESS 6TH ED	MYERS	2013	3,048
Health	LECTURE NOTES HAEMATOLOGY 9TH ED	HATTON	2013	5,666
Health	MANUAL OF SURGICAL PATHOLOGY WITH ONLINE ACCESS 3RD ED	LESTER	2013	5,755
Health	SMART STUDY SERIES PATHOLOGY	AHLUWALIA	2014	2,381
Health	EMERY AND RIMOIN'S ESSENTIAL MEDICAL GENETICS	RIMON	2014	6,223
Health	TEN THOUSAND BIRDS ORNITHOLOGY SINCE DARWIN	BIRKHEAD	2014	10,198
Health	THE SHORT TEXTBOOK OF MEDICAL HELMINTHOLOGY	GUPTE	2015	1,871
Health	ENDOCRINE SECRETS QUESTIONS YOU WILL BE ASKED 6TH ED	MCDERMOTT	2015	2,197
Health	MACKIE & MCCARTNEY PRACTICAL MEDICAL MICROBIOLOGY 14TH ED	COLLEE	2015	7,442
Health	ROBBINS & COTRAN PATHOLOGIC BASIS OF DISEASE SOUTH ASIA ED (2 VOLS SET) 9TH ED	KUMAR	2015	7,924
Health	BOOK OF OSPE UHS PATTERN	NAFEES	2016	360

Health	HANDBOOK OF PATHOLOGY 2ND ED.	PANDA	2016	553
Health	MEDICAL MICROBIOLOGY AND PARASITOLOGY PREP MANUAL FOR UNDERGRADUATES 3RD ED	NAGOBA	2016	2,679
Health	ARTERIAL BLOOD GASES MADE EASY 2ND ED	HENNESSEY	2016	4,077
Health	CELL AND MOLECULAR BIOLOGY 8TH EDITION	DE ROBERTIS	2016	4,817
Health	ROBBINS AND COTRAN ATLAS OF PATHOLOGY 3RD ED	KLATT	2016	6,648
Health	THOMPSON & THOMPSON GENETICS IN MEDICINE 8TH ED	NUSSBAUM	2016	7,017
Health	CASE-BASED APPROACH IN FINE NEEDLE ASPIRATION CYTOLOGY	DEY	2016	8,930
Health	MULTIPLE CHOICE QUESTIONS FOR HAEMATOLOGY AND CORE MEDICAL TRAINEES	BAIN	2016	10,198
Health	BLOOD COLLECTION A SHORT COURSE WITH ONLINE ACCESS 3RD ED	LORENZO	2016	10,640
Health	BACTERIAL GENETICS 3RD ED	KHAN	2017	432
Health	THE WASHINGTON MANUAL OF HEMATOLOGY AND ONCOLOGY SUBSPECIALTY CONSULT SOUTH ASIAN 4TH ED	CASHEN	2017	2,622
Health	POCKET COMPANION TO ROBBINS AND COTRAN PATHOLOGIC BASIS OF DISEASE 9TH ED FIRST SOUTH ASIAN ED	MITCHELL	2017	2,832
Health	ROBBINS AND COTRAN PATHOLOGY COMPANION WORKBOOK 2ND SOUTH ASIA ED	KLATT	2017	2,835
Health	THE WASHINGTON MANUAL OF SURGICAL PATHOLOGY WITH ONLINE ACCESS 2ND ED	HUMPHREY	2017	3,048
Health	FUNDAMENTALS OF PATHOLOGY OF SKIN 4TH ED	MYSORE	2017	3,116
Health	TEXTBOOK OF PATHOLOGY 2 VOLS SET	KAMAL	2017	5,372
Health	CASE-BASED APPROACH IN EXFOLIATIVE CYTOLOGY	DEY	2017	7,796
Health	PATHOPHYSIOLOGY OF BLOOD DISORDERS 2ND ED	ASTER	2017	8,612
Health	MEDICAL MICROBIOLOGY AND IMMUNOLOGY FLASH CARDS WITH ONLINE ACCESS 2ND ED	ROSENTHAL	2017	9,063
Health	DACIE AND LEWIS PRACTICAL HAEMATOLOGY 12TH INTERNATIONAL ED	BAIN	2017	9,289
Health	NEW GENETICS, NEW IDENTITIES	ATKINSON	2017	10,264
Health	ROBBINS BASIC PATHOLOGY FIRST SOUTH ASIA 10TH ED	KUMAR	2018	6,237
Health	GREENSPANS BASIC & CLINICAL ENDOCRINOLOGY 10TH ED	GARDENER	2018	7,920
Health	ABC OF CLINICAL HAEMATOLOGY 4TH ED	PROVAN	2018	10,198
Health	LABORATORY DICTIONARY	COLE	2018	10,605
Health	FIRDAUS REVIEW OF HISTOLOGY & EMBRYOLOGY 10TH ED	FIRDAUS	2019	536
Health	SHORT TEXTBOOK OF PATHOLOGY 2ND REVISED ED	DANISH	2019	896
Health	THE BETHESDA HANDBOOK OF CLINICAL HEMATOLOGY SOUTH ASIAN 4TH ED	RODGERS	2019	3,544
Health	RAPID REVIEW PATHOLOGY WITH ONLINE ACCESS 5TH SECOND SOUTH ASIA EDITION	GOLJAN	2019	5,486
Health	TEXTBOOK OF PATHOLOGY WITH REVIEWS MCQS 8TH ED	MOHAN	2019	6,506
Health	PATHOLOGY ILLUSTRATED WITH ONLINE ACCESS 8TH ED	ROBERTS	2019	8,836
Health	MEDICAL MICROBIOLOGY A GUIDE TO MICROBIAL INFECTIONS: PATHOGENESIS, IMMUNITY, LABORATORY INVESTIGATION AND	BARER	2019	9,063

	CONTROL WITH ONLINE ACCESS 19TH ED			
Health	MICROBIOLOGY MANUAL	AWAN	2020	405
Health	MICROBIOLOGY AN INTRODUCTION 12TH ED	TORTORA	2020	4,235
Health	COMMUNICABLE DISEASES A GLOBAL PERSPECTIVE 6TH ED	WEBBER	2020	10,527
Health	ROBBINS & COTRAN PATHOLOGIC BASIS OF DISEASES 10TH ED	KUMAR	2021	3,596
Health	IMMUNOLOGY WITH ONLINE ACCESS 9TH INTERNATIONAL ED	MALE	2021	7,694
Health	BASIC MICROBIOLOGY	KHAN	2022	626
Islam	THE RECONSTRUCTION OF RELIGIOUS THOUGHT IN ISLAM..	IQBAL	2019	269
Islam	A TEXTBOOK OF ISLAMIC EDUCATION (COMPULSORY)	A.S BUKHARI	2021	314
Islam	ISLAM ITS MEANING AND MESSAGE	AHMAD	2020	360
Islam	THE RECONSTRUCTION OF RELIGIOUS THOUGHT IN ISLAM	IQBAL	2021	446
Islam	A TREASURY OF GHAZALI A COMPANION FOR THE UNTETHERED SOUL	SWAY	2021	450
Islam	A TREASURY OF IBN TAYMIYYAH HIS TMELESS THOUGHT AND WINSDOM	SHEIKH	2021	450
Islam	A TREASURY OF IQBAL	SIDDIQUI	2022	450
Islam	ANGELS IN YOUR PRESENCE	SULEIMAN	2022	450
Islam	ISLAMIC PHILOSOPHY & MUSLIM PHILOSOPHERS	QADRI	2021	486
Islam	GENDER, LAW AND SOCIETY IN ISLAM	AHMED	2019	540
Islam	ALLAH LOVES...	SULEIMAN	2021	540
Islam	FAMILY LAW IN ISLAM THEORY AND APPLICATION	MANSOORI	2021	540
Islam	PRAYERS OF THE PIOUS	SULEIMAN	2021	540
Islam	PRINCIPLES OF ISLAMIC JURISPRUDENCE THE COMMAND OF THE SHARIAH AND JURIDICAL NORMS	AHMAD HASAN	2021	558
Islam	QURANIC SCIENCE	RAHMAN	2021	626
Islam	WOMEN FULL HUMAN BEINGS OR LESS THAN MEN A CRITICAL EXPLORATION OF ISLAM AND SECULARISM	AMATULLAH	2019	716
Islam	ISLAM RELIGION, PRACTICE, CULTURE AND WORLD ORDER	AL FARUQI	2022	720
Islam	LET US BE MUSLIMS	MURAD	2022	720
Islam	MEDICAL EHICS AN ISLAMIC PERSPECTIVE	KHAN	2022	720
Islam	PRAYERS OF THE PIOUS PAKISTAN EDITION	SULEIMAN	2022	720
Islam	THE PROPHET OF MERCY HOW MUHAMMAD ROSE ABOVE ENMITY & INSULT	ELSHINAWY	2022	765
Islam	MUHAMMAD (S.A.A.W) HIS CHARACTER AND CONDUCT	SALAH	2019	810
Islam	A TEXTBOOK OF HADITH STUDIES	KAMALI	2021	810
Islam	GLIMPSES OF HUMAN NATURE AND ISLAMIC GUIDANCE FOR PEACE	SHAHID	2019	855
Islam	AN INTRODUCTION TO THE STUDY OF ISLAMIC LAW	HASSAN	2020	864
Islam	THE SPEECH OF THE BIRDS.	ATTAR	2020	899
Islam	THE MESSAGE OF ISLAM PEACE CLASSIC ISLAMIC SERIES	JAFRI	2022	1,058
Islam	THE EMERGENCE OF ISLAM	HAMIDULLAH	2019	1,076
Islam	CONTERMPORARY APPROACHES TO THE QUR'AN AND SUNNAH	AYOUB	2022	1,080
Islam	MEETING MUHAMMAD PAKISTAN EDITION	SULEIMAN	2022	1,080
Islam	THE BLOOD OF HUSAYN	KAZIMI	2021	1,166
Islam	THE SPIRIT OF ISLAM	ALI	2021	1,346
Islam	SEA OF THE CALIPHS	PICARD	2018	1,436
Islam	40 ON JUSTICE THE PROPHETIC VOICE ON SOCIAL REFORM	SULEIMAN	2022	1,620

Islam	THE DIVINE ORIGIN OF THE QUR'AN A JUST RESPONSE TO THE ORIENTALISTS	ASLAM	2018	1,755
Islam	ACADEMIC RESEARCH ON THE QURAN A CRITICAL BIBLIOGRAPHY	SHAFFI	2019	1,970
Islam	THE CONTRIBUTIONS OF ABDUR RAHEEM KIDWAI TO QUR'ANIC STUDIES	CHOUGHLEY	2019	1,970
Islam	MUHAMMAD (S.A.A.W) MAN AND PROPHET A COMPLETE STUDY OF THE LIFE OF THE PROPHET OF ISLAM	SALAH	2019	2,025
Islam	FINDING PEACE IN THE HOLY LAND A BRITISH MUSLIM MEMOIR	BOOTH	2018	2,045
Islam	THE LIFE OF MUHAMMAD (P.B.U.H.) A TRANSALTION OF IBN ISHAQ'S SIRAT RASUL ALLAH.	GUILLAUME	2022	2,228
Islam	ABU HANIFAH HIS LIFE, LEGAL METHOD & LEGACY	NADWI	2018	2,367
Islam	LIFE COACHING FOR MUSLIMS	HABIB	2020	2,367
Islam	UNSEEN POEMS	RUMI	2019	2,893
Islam	SIGNS ON THE EARTH ISLAM, MODERNITY AND THE CLIMATE CRISIS	KHALID	2019	3,063
Islam	THE ISLAMIC ENLIGHTENMENT THE MODERN STRUGGLE BETWEEN FAITH AND REASON	BELLAIGUE	2018	3,156
Islam	THE WORK OF DAY AND NIGHTSUYUTI'S COLLECTION OF PROPHETIC PRACTICES AND PRAYERS	JAMEER	2018	3,420
Islam	ISSUES IN ISLAMIC SOCIETY AND STATE	MAWDUDI	2019	3,534
Islam	THE SECRET OF SECRETS HADRAT ABD AL-QADIR AL JILANI	AL-HALVETI	2018	3,683
Islam	TREATISE ON MAQASID AL-SHARI'AH	ASHUR	2020	3,701
Islam	WOMEN ARE THE FUTURE OF ISLAM A MEMOIR OF HOPE	KHANKAN	2018	3,946
Islam	AL-GHAZALI ON CONDUCT IN TRAVEL KITAB ADAB AL-SAFAR BOOK XVII OF THE REVIVAL OF THE RELIGIOUS SCIENCES	LIBRANDE	2019	3,946
Islam	ARABIC THROUGH THE QURAN	JONES	2020	4,209
Islam	THE WOMEN'S MOVEMENT IN PAKISTAN ACTIVISM, ISLAM AND DEMOCRACY (PB)	KHAN	2020	4,209
Islam	ISLAM AND THE ABOLITION OF SLAVERY	GERVASE	2020	4,473
Islam	THE CHILDREN OF ABRAHAM JUDAISM, CHRISTIANITY, ISLAM	PETERS	2018	4,521
Islam	CHRISTMAS AND THE QURAN	KUSCHEL	2020	4,521
Islam	THE QUR'AN AND ITS STUDY AN IN-DEPTH EXPLORATION OF ISLAM'S SACRED SCRIPTURE	ZARZOUR	2018	4,713
Islam	THE GREATEST MAN IN HISTORY IS MUHAMMAD (PEACE BE UPON HIM)	AFRASIAB	2020	4,950
Islam	THE MUSLIM SPEAKS	HUSSAIN	2020	4,999
Islam	40 ON JUSTICE THE PROPHETIC VOICE ONB SOCIAL REFORM	SULEIMAN	2021	4,999
Islam	WORLD RELIGIONS THE GREAT FAITHS EXPLORED AND EXPLAINED	BOWKER	2021	5,666
Islam	FREEDOM OF EXPRESSION IN ISLAM CHALLENGING APOSTASY AND BLASPHEMY LAWS	MASUD	2021	5,789
Islam	ISLAM IN CHINA	FRANKEL	2021	5,789
Islam	ISLAM IN PAKISTAN A HISTORY.	ZAMAN	2020	6,334
Islam	THE WORLD OF IMAGE IN ISLAMIC PHILOSOPHY IBN SINA, SUHRAWARDI, SHAHRAZURI, AND BEYOND	LIT	2018	6,579
Islam	THE QUR'AN AND THE JUST SOCIETY	HARVEY	2019	6,579
Islam	WOMEN AND PEACE IN THE ISLAMIC WORLD GENDER, AGENCY AND INFLUENCE (PB)	SAIKIA	2021	7,632
Islam	THE MONGOL EMPIRE THE EDINBURGH HISTORY OF THE ISLAMIC EMPIRES	MAY	2018	7,895
Islam	CLASSICAL ISLAMIC PHILOSOPHY A THEMATIC INTRODUCTION	LOPEZ	2022	8,685

Islam	THE ROUTLEDGE HANDBOOK OF ISLAM AND GENDER	HOWE	2022	8,685
Law	MERCANTILE LAW INCLUDING LEGAL SYSTEM OF PAKISTAN FOR CA, ICMA, AAT, MBA & OTHER PROFESSIONAL EXAMINATIONS	BAIG	2016	270
Law	THE SALE OF GOODS ACT 1930	BASIT	2020	315
Law	BUSINESS LAW REVISED EDITION 2021	CHEEMA	2022	338
Law	A TEXTBOOK OF INCOME TAX LAW B.COM. PART-II	BOWRA	2019	360
Law	LEGAL SYSTEM OF PAKISTAN 5TH ED	TALPUR	2022	360
Law	PUNJAB FINANCIAL RULES VOL.II, 2014	MBH	2014	360
Law	PUNJAB FINANCIAL RULES VOL-I, 2014	MBH	2014	360
Law	THE CONTRACT ACT, 1872 (IX OF 1872)	MALIK	2012	450
Law	THE COMPANIES ORDINANCE 1984 (XLVII OF 1984)	M.MUMTAZ DOGAR	2014	540
Law	THE COMPENDIUM OF PENSION RULES AND ORDERS WITH NOTIFICATIONS	.	2016	540
Law	THE SALE TAX ACT, 1990		2017	540
Law	INTELLECTUAL PROPERTY RIGHTS AND INNOVATION	QURESHI	2020	585
Law	MASCULINITY, SEXUALITY, AND ILLEGAL MIGRATION HUMAN SMUGGLING FROM PAKISTAN TO EUROPE	AHMAD	2015	585
Law	ADMINISTRATIVE LAW & CIVIL SSERVICE LAWS	KASHMIRI	2022	720
Law	MANUAL OF RENT LAWS	CHAUDHARY	2017	720
Law	THE COMPENDIUM OF PENSION RULES (PROVINCIAL GOVERNMENT)		2018	720
Law	ISLAMIC LAW OF BUSINESS ORGANIZATION PARTNERSHIPS	NYAZEE	1997	765
Law	ISLAMIC LAW OF CONTRACT APPLICATIONS IN ISLAMIC FINANCE	MANSOORI	2020	900
Law	THE INCOME TAX ORDINANCE 2001 (XLIX OF 2001)	RIZVI	2021	900
Law	CONSTITUTIONAL AND POLITICAL HISTORY OF PAKISTAN 3RD ED	KHAN	2022	1,125
Law	POLIT AND JURISPRUDCTION OF THE CHAUDHRY COURT	GILANI	2015	1,256
Law	A HISTORY OF THE JUDICIARY IN PAKISTAN	KHAN	2020	1,373
Law	WOMEN'S RIGHTS	NAGENDRA	2006	1,630
Law	LAW OF COPYRIGHT	DAS	2015	1,687
Law	COLONY PAMPHLET	YASIN	1998	1,800
Law	LAW OF CONSUMER PROTECTION	MUGHAL	2019	1,800
Law	LAW OF CONTEMPT OF COURT IN INDIA	NAIR	2004	1,843
Law	TAXATION LAWS IN PAKISTAN 2 VOLS SET	SHEERAZ	2019	2,250
Law	THE CRIMINAL MAJOR ACT		2015	2,250
Law	INDUSTRIAL RELATIONS AND LABOUR LAWS 2ND ED	MONAPPA	2018	2,481
Law	BEYOND THE BODY FARM: A LEGENDARY BONE DETECTIVE EXPLORES MURDERS, MYSTERIES, AND THE REVOLUTION IN FORENSIC SCIENCE	BASS	2008	3,388
Law	THE COPYRIGHT BOOK A PRACTICAL GUIDE 6TH	STRONG	2014	4,250
Law	ACCESS TO JUSTICE IN PAKISTAN 2ND ED	KARIM	2022	4,320
Law	PAKISTAN'S BLASPHEMY LAWS FROM ISLAMIC EMPIRES TO THE TALIBAN	ABBAS	2014	5,666
Law	DIRECT AND INDIRECT TAX MANUAL INCOME TAX AND GST	DHIMAN	2018	5,670
Law	RESEARCH METHODS FOR LAW 2ND ED	MCCONVILLE	2017	7,895
Law	GLOBAL JUSTICE	CHRISTENSEN	2020	8,158
Law	FORENSIC SCIENCE IN COURT CHALLENGES IN THE TWENTY-FIRST CENTURY	SHELTON	2011	8,161

	CRIMINOLOGY IN BRIEF UNDERSTANDING CRIME AND CRIMINAL JUSTICE	HEINER	2021	8,685
Law				
Law	MODERN LAND LAW 11TH ED	DIXON	2018	8,685
	THE LIFE OF AN ACADEMIC LAWYER CONNECTING THE DOTS	ARTHURS	2019	9,053
Law				
Law	INTRODUCING CRIMINOLOGY.	COLEMAN	2011	9,211
	INTERNATIONAL HUMAN RIGHTS LAW 3RD ED	MOECKLI	2018	9,474
Law				
Law	AUTOMATISM AS A DEFENCE IN CRIMINAL LAW	RUMBOLD	2019	9,738
	VISUAL CRIMINOLOGY FROM HISTORY AND METHODS TO CRITIQUE AND POLICY TRANSLATION	WHEELDON	2022	9,738
Law				
Law	LEGAL RESEARCH, ANALYSIS, AND WRITING WITH CD ROOM 2ND ED	PUTMAN	2004	10,198
Law				
Law	AN INTRODUCTION TO CRIMINOLOGY	DAVIES	2022	10,527
	CONVICT CRIMINOLOGY FOR THE FUTURE	ROSS	2021	10,527
Law				
Law	COP WATCH SPECTATORS, SOCIAL MEDIA, AND POLICE REFORM	TOCH	2012	11,320
	ORGANIZED CRIME ANALYZING ILLEGAL ACTIVITIES, CRIMINAL STRUCTURES, AND EXTRA-LEGAL GOVERNANCE	LAMPE	2016	12,464
Law				
Law	POLITICAL CORRUPTION THE UNDERSIDE OF CIVIC MORALITY	SPARLING	2019	13,586
	WHITE-COLLAR CRIME AN OPPORTUNITY PERSPECTIVE 3RD ED	BENSON	2018	13,950
Law				
	NUCLEAR ETHICS IN THE TWENTY-FIRST CENTURY SURVIVAL, ORDER, AND JUSTICE	DOYLE II	2020	14,466
Law				
Law	PHARMACY PRACTICE AND THE LAW WITH ONLINE ACCESS 7TH ED	ABOOD	2014	14,844
Law				
Law	THE PSYCHOLOGY OF JURIES	KOVERA	2017	15,852
	JUSTICE AS EQUALITY MICHAEL MANLEY'S CARIBBEAN VISION OF JUSTICE	PERKINS	2010	18,345
Law				
	WOMEN AND THE CRIMINAL JUSTICE SYSTEM GENDER, RACE, AND CLASS 5TH ED	WORMER	2022	18,425
Law				
Law	COMMONWEALTH CARIBBEAN PROPERTY LAW 4TH ED	KODILINYE	2015	18,428
	MEASURING CRIME BEHIND THE STATISTICS.	LOHR	2019	19,741
Law				
Law	VICTIMOLOGY 9TH ED	DOERNER	2021	19,741
Law				
Law	PUNJAB REVISED LEAVE RULES, 1981	QURAESHI	2015	20,305
	HUMAN RIGHTS IN PRISONS COMPARING INSTITUTIONAL ENCOUNTERS IN KOSOVO, SIERRA LEONE, AND THE PHILIPPINES	JEFFERSON	2015	20,427
Law				
	MANAGERIAL FRAUD EXECUTIVE IMPRESSION MANAGEMENT, BEYOND RED FLAGS	SHERIDAN	2014	21,060
Law				
Law	PAKISTAN'S EXPERIENCE WITH FORMAL LAW AN ALIEN JUSTICE	SIDDIQUE	2013	21,321
	HANDBOOK OF LOSS PREVENTION AND CRIME PREVENTION 5TH ED	FENNELLY	2012	21,518
Law				
	FAMILY LAW IN SYRIA PATRIARCHY, PLURALISM AND PERSONAL STATUS LAWS	EIJK	2016	22,376
Law				
	ESTIMATION OF THE TIME SINCE DEATH CURRENT RESEARCH AND FUTURE TRENDS	HAYMAN	2020	22,651
Law				
	SEXUAL ASSAULT RISK REDUCTION AND RESISTANCE THEORY, RESEARCH, AND PRACTICE	ORCHOWSKI	2018	22,651
Law				
	EMERGENCE OF BANGLADESH: PROBLEMS AND OPPORTUNITIES FOR A REDEFINED AMERICAN POLICY IN SOUTH ASIA	WILCOX W	2021	595
Management				
	STATISTICAL ANALYSIS IN BUSINESS AND ECONOMICS	ABDUL WAHEED	2022	1,195
Management				

Management	MANAGEMENT FOR BEGINNERS FOR BS STUDENTS OF BUSINESS, COMMERCE, MANAGEMENT, BANKING & FINANCE	BUTT	2021	1,251
Management	TEXTBOOK OF HUMAN RESOURCE MANAGEMENT IN INDUSTRIES OF PAKISTAN 2ND ED	KAMAL	2020	1,350
Management	TEXTBOOK OF HUMAN RESOURCE MANAGEMENT IN INDUSTRIES OF PAKISTAN 2ND/ED	KAMAL RAZA	2020	1,500
Management	HUMAN RESOURCE MANAGEMENT IN SMES FOR STUDENTS OF BS MS PHD MANAGEMENT SC AND OTHER RELEVANT DISCIPL	DR IFTIKHAR AHMAD BUTT	2022	1,500
Management	TOTAL QUALITY MANAGEMENT 5TH ED.	BESTERFIELD	2020	2,722
Management	SUPPLY CHAIN MANAGEMENT STRATEGY,PLANNING AND OPERATION 7TH ED	CHOPRA	2020	2,792
Management	OPERATIONS MANAGEMENT SUSTAINABILITY AND SUPPLY CHAIN MANAGEMENT 12TH ED	HEIZER	2020	2,974
Management	IMPACT OF PAKISTAN MARITIME AFFAIRS ON BLUE ECONOMY IN BACKCROP OF CPEC	DR S M SHAHZAD	2020	3,000
Management	HUMAN RESOURCE MANAGEMENT 15TH ED.	DESSLER	2020	3,153
Management	MANAGEMENT 14TH ED.	ROBBINS	2020	3,246
Management	THE HERO CODE LESSONS ON HOW TO ACHIEVE MORE THAN YOU EVER THOUGHT POSSIBLE	MCRAVEN	2021	3,420
Management	HOW TO WRITE A MARKETING PLAN: DEFINE YOUR STRATEGY, PLAN EFFECTIVELY AND REACH YOUR MARKETING GOALS	WESTWOOD J	2022	3,584
Management	IMPROVE YOUR COMMUNICATION SKILLS: HOW TO BUILD TRUST, BE HEARD AND CONFIDENCE	BARKER A	2022	3,584
Management	COVID-19 CATASTROPHE: WHAT'S GONE WRONG AND HOW TO STOP IT HAPPENING AGAIN	HORTON R	2021	3,824
Management	MARKETING MANAGEMENT 15TH ED.	KOTLER	2020	3,875
Management	MANAGEMENT PRINCIPLES AND APPLICATION (PAKISTANI EDITION)	DR JENA B M	2022	3,995
Management	SIMPLICITY PRINCIPLE: SIX STEPS TOWARDS CLARITY IN A COMPLEX WORLD	HOBSBAWM J	2020	4,135
Management	INFINITE LEADER: BALANCING THE DEMANDS OF MODERN BUSINESS LEADERSHIP	LEWIS C	2021	4,135
Management	END OF MARKETING: HUMANIZING YOUR BRAND IN THE AGE OF SOCIAL MEDIA 2ND/ED	GIL C	2022	4,135
Management	STOP, ASK, EXPLORE: LEARN TO NAVIGATE CHANGE IN TIMES OF UNCERTAINTY	BALL J P	2022	4,135
Management	CORPORATE GOVERNANCE AND LEADERSHIP: THE BOARD AS THE NEXUS OF LEADERS	CIKALIUK M	2020	4,138
Management	LEADERSHIP AND THE RISE OF GREAT POWERS	XUETONG	2020	4,521
Management	ACT OF LEADERSHIP: A PLAYBOOK FOR LEADING WITH HUMILITY, CLARITY AND PURPOSE	HAESLER D	2021	4,961
Management	SKILLS FOR SUCCESS PERSONAL DEVELOPMENT AND EMPLOYABILITY 4TH ED	COTTRELL	2021	4,999
Management	PAID ATTENTION INNOVATIVE ADVERTISING FOR A DIGITAL WORLD 2ND ED	YAKOB	2022	5,262
Management	THE CULTURE ADVANTAGE EMPOWERING YOUR PEOPLE OT DRIVE INNOVATION	STRODE	2022	5,262
Management	HIGH PERFORMANCE LESSONS FROM THE BEST ON BECOMING YOUR BEST	HUMPHREY	2021	5,265

Management	THE HABIT OF EXCELLENCE WHY BRITISH ARMY LEADERSHIP WORKS	SHARP	2021	5,265
Management	POWER OF CUSTOMER EXPERIENCE: HOW TO USE CUSTOMER-CENTRICITY TO DRIVE SALES AND PROFITABILITY	NEWMAN M	2021	5,515
Management	VIDEO MARKETING: CREATE ENGAGING VIDEO CAMPAIGNS TO DRIVE BRAND GROWTH AND SALES 2ND/ED	MOWAT J	2021	5,515
Management	DIGITAL MARKETING HANDBOOK: DELIVER POWERFUL DIGITAL CAMPAIGNS	KINGSNORTH S	2022	5,515
Management	EMPLOYEE RELATIONS: A PRACTICAL INTRODUCTION 3RD/ED	AYLOTT E	2022	5,515
Management	EMPLOYMENT LAW: A PRACTICAL INTRODUCTION 3RD/ED	AYLOTT E	2022	5,515
Management	LEARNING AND DEVELOPMENT: A PRACTICAL INTRODUCTION 3RD/ED	TICKELL R P	2022	5,515
Management	POWERFUL LEADERSHIP THROUGH COACHING: PRINCIPLES, PRACTICES, AND TOOLS	SIMPSON M K	2020	5,640
Management	AN OPEN WORLD: HOW AMERICA CAN WIN THE CONTEST FOR TWENTY-FIRST-CENTUR	LISSNER R	2020	5,866
Management	TRANSFORMING PROJECT MANAGEMENT AN ESSENTIAL PARADIGM FOR TURNING YOUR STRATEGIC PLANNING INTO ACTION	PETERSEN	2021	5,892
Management	STAFFING ORGANIZATIONS 10TH ED	JUDGE	2022	6,232
Management	MACROECONOMIC INEQUALITY FROM REAGAN TO TRUMP: MARKET POWER, WAGE REPR	TAYLOR L	2020	6,342
Management	CONTAGIOUS YOU UNLOCK YOUR POWER TO INFLUENCE, LEAD AND CREATE THE IMPACT YOU WANT	CAVANAUGH	2020	6,345
Management	STRATEGIC HUMAN RESOURCE MANAGEMENT A RESEARCH OVERVIEW	STOREY	2020	6,579
Management	COHERENCE THE SCIENCE OF EXCEPTIONAL LEADERSHIP AND PERFORMANCE 2ND ED	WATKINS	2021	6,579
Management	BE DATA DRIVEN HOW ORGANIZATIONS CAN HARNESS THE POWER OF DATA	MORROW	2022	6,579
Management	HOW TO LEAD WISDOM FROM THE WORLD'S GREATEST CEOS, FOUNDERS, AND GAME CHANGERS	RUBENSTEIN	2020	6,581
Management	THE ARISTOCRACY OF TALENT HOW MERITOCRACY MADE THE MODERN WORLD	WOOLDRIDGE	2021	6,581
Management	LEADING IN A CULTURE OF CHANGE 2ND/ED	FULLAN M	2020	6,757
Management	SUSTAINABILITY TO SOCIAL CHANGE: LEAD YOUR COMPANY FROM MANAGING RISKS TO CREATING SOCIAL VALUE	MIRVIS P	2022	6,894
Management	VIRTUAL LEADERSHIP: PRACTICAL STRATEGIES FOR SUCCESS WITH REMOTE OR HYBRID WORK AND TEAMS 2ND/ED	PULLAN P	2022	6,894
Management	LEADERS WHO LUST: POWER, MONEY, SEX, SUCCESS, LEGITIMACY, LEGACY	KELLERMAN B	2020	6,897
Management	BUILDING STRATEGIC CAPABILITIES IN EMERGING MARKETS	CUERVO-CAZURRA	2020	7,446
Management	PUBLIC AND PRIVATE ENTERPRISE: THE LINDSAY MEMORIAL LECTURES GIVEN AT THE UNIVERSITY OF KEELE 1964	JEWKES J	2019	7,722
Management	THE FUTURE OF HUMAN SERVICE ORGANIZATIONAL & MANAGEMENT RESEARCH NAVIGATING COMPLEX FRONTIERS	MCBEATH	2020	7,790
Management	DEVELOPING MENTAL TOUGHNESS STRATEGIES TO IMPROVE PERFORMANCE, RESILIENCE AND WELLBEING IN INDIVIDUALS AND ORGANIZATIONS 3RD ED	STRYCHARCZY K	2021	7,895

Management	ESSENTIAL MANAGEMENT MODELS TRIED AND TESTED BUSINESS FRAMEWORKS FOR STRATEGY, CUSTOMERS AND GROWTH	FOSTER	2023	7,895
Management	21ST CENTURY MONETARY POLICY	BERNANKE B S	2022	7,896
Management	THEORIES OF EDUCATIONAL LEADERSHIP AND MANAGEMENT 5TH/ED	BUSH T	2020	8,273
Management	COMPARATIVE PUBLIC BUDGETING: GLOBAL PERSPECTIVES ON TAXING AND SPENDI	GUESS G M	2021	8,273
Management	DEVELOPING MENTAL TOUGHNESS: STRATEGIES TO IMPROVE PERFORMANCE, RESILIENCE AND WELLBEING IN INDIVIDU	CLOUGH P	2021	8,273
Management	WORKPLACE LEARNING: HOW TO BUILD A CULTURE OF CONTINUOUS EMPLOYEE DEVELOPMENT 2ND/ED	PAINE N	2021	8,273
Management	KEY TO INCLUSION: A PRACTICAL GUIDE TO DIVERSITY, EQUITY AND BELONGING FOR YOU YOUR TEAM AND YOUR OR	FROST S	2022	8,273
Management	LEARNING EXPERIENCE DESIGN: HOW TO CREATE EFFECTIVE LEARNING THAT WORK	CLARK D	2022	8,273
Management	MANAGING MULTIPLE PROJECTS: HOW PROJECT MANAGERS CAN BALANCE PRIORITIEVITY	HARRIN E	2022	8,273
Management	NEUROSCIENCE FOR COACHES: HOW COACHES AND MANAGERS CAN USE THE LATEST INSIGHTS TO BENEFIT CLIENTS AN	BRANN A	2022	8,273
Management	STRATEGIC TENDERING FOR PROFESSIONAL SERVICES: WIN MORE, LOSE LESS 2ND/ED	FULLER M	2022	8,273
Management	SUSTAINABLE BUSINESS HANDBOOK: A GUIDE TO BECOMING MORE INNOVATIVE, RESILIENT AND SUCCESSFUL	GRAYSON D	2022	8,273
Management	USER RESEARCH: IMPROVE PRODUCT AND SERVICE DESIGN AND ENHANCE YOUR UX RESEARCH 2ND/ED	MARSH S	2022	8,273
Management	LEAD DESIGNER'S HANDBOOK: MANAGING DESIGN AND THE DESIGN TEAM IN THE DIGITAL AGE	SINCLAIR D	2019	8,276
Management	FASHION BUSINESS MANUAL: AN ILLUSTRATED GUIDE TO BUILDING A FASHION BR	THAMES	2021	8,690
Management	SUPPLY CHAIN MANAGEMENT INTERNATIONAL EDITION	STOCK	2020	8,974
Management	PREDICTIVE HR ANALYTICS MASTERING THE HR METRIC 2ND ED	EDWARDS	2019	9,211
Management	QUALITATIVE MARKETING RESEARCH UNDERSTANDING CONSUMER BEHAVIOUR	MAISON	2019	9,211
Management	AGILE CHANGE MANAGEMENT A PRACTICAL FRAMEWORK FOR SUCCESSFUL CHANGE PLANNING AND IMPLEMENTATION 2ND ED	FRANKLIN	2021	9,211
Management	DATA-DRIVEN ORGANIZATION DESIGN DELIVERING PERPETUAL PERFORMANCE GAINS THROUGH THE ORGANIZATIONAL SYSTEM 2ND ED	MORRISON	2021	9,211
Management	UNDERSTANDING EMPLOYEE ENGAGEMENT THEORY, RESEARCH, AND PRACTICE 2ND ED	BYRNE	2022	9,211
Management	CHARISMATIC LEADERSHIP PHENOMENON IN RADICAL AND MILITANT ISLAMISM	INGRAM H J	2020	9,653
Management	FEMINISM: A KEY IDEA FOR BUSINESS AND SOCIETY	HARQUAIL C V	2020	9,653
Management	MAKING SENSE OF CHANGE MANAGEMENT: A COMPLETE GUIDE TO	CAMERON E	2020	9,653

	THE MODELS, TOOLS AND TECHNIQUES OF ORGANIZAT			
Management	AGILE CHANGE MANAGEMENT: A PRACTICAL FRAMEWORK FOR SUCCESSFUL CHANGE PLANNING AND IMPLEMENTATION 2ND	FRANKLIN M	2021	9,653
Mathematics	INTRODUCTION TO SPECIAL RELATIVITY	SMITH	2017	2,028
Mathematics	ELEMENTS OF PARTIAL DIFFERENTIAL EQUATIONS	SNEDDON	2017	5,201
Mathematics	THEORY AND APPLICATION OF INFINITE SERIES	KNOPP	2017	5,201
Mathematics	FIRST AID IN MATHEMATICS COLOR ED	SULLEY	2017	5,265
Mathematics	ELEMENTARY POINT-SET TOPOLOGY A TRANSITION TO ADVANCED MATHEMATICS	YANDL	2017	5,654
Mathematics	THE LEARNING AND TEACHING OF ALGEBRA IDEAS, INSIGHT, AND ACTIVITIES	ARCAVI	2017	7,895
Mathematics	PANORAMA OF STATISTICS: PERSPECTIVES, PUZZLES AND PARADOXES IN STATIST	SOWEY E	2017	10,152
Mathematics	MATHEMATICAL TABLE FOUR FIGURES (RESET WITH NEW STYLE	CASTLE	2018	312
Mathematics	A COURSE ON GROUP THEORY	ROSE	2018	2,935
Mathematics	ABSTRACT ALGEBRA AND SOLUTION BY RADICALS	MAXFIELD	2018	2,935
Mathematics	SOLID ANALYTIC GEOMETRY	ALBERT	2018	2,935
Mathematics	AXIOMATIC SET THEORY	SUPPES	2018	3,841
Mathematics	DIFFERENTIAL GEOMETRY	KREYSZIG	2018	4,294
Mathematics	INTRODUCTION TO TOPOLOGICAL GROUPS	HUSAIN	2018	4,294
Mathematics	MODERN HIGHER ALGEBRA	ALBERT	2018	4,521
Mathematics	STORY OF MATHEMATICS IN 24 EQUATIONS	MACKENZIE D	2018	4,687
Mathematics	CAMBRIDGE INTERNATIONAL AS & A LEVEL MATHEMATICS: PURE MATHEMATICS 1 COURSEBOOK	PEMBERTON	2018	4,833
Mathematics	GENERAL TOPOLOGY	WILLARD	2018	5,654
Mathematics	ADVANCED MATHEMATICS FOR ENGINEERS AND SCIENTISTS	DUCHATEAU	2018	6,787
Mathematics	SETS, MODELS AND PROOFS	MOERDIJK IE	2018	7,827
Mathematics	EXPLORING MATHEMATICS: PROBLEM-SOLVING AND PROOF	GRIESER D	2018	8,301
Mathematics	THEORETICAL MECHANICS OF PARTICLES AND CONTINUA	FETTER	2018	8,600
Mathematics	INTRODUCTION TO GEOMETRY AND TOPOLOGY	BALLMANN	2018	9,077
Mathematics	FLUID MECHANICS FUNDAMENTALS AND APPLICATIONS 4TH ED..	CENGEL	2018	10,187
Mathematics	NUMERICAL LINEAR ALGEBRA: A CONCISE INTRODUCTION WITH MATLAB AND JULIA	BORNEMANN F	2018	10,673
Mathematics	RELATIONAL TOPOLOGY	SCHMIDT G	2018	10,673
Mathematics	PROBABILISTIC FOUNDATIONS OF STATISTICAL NETWORK ANALYSIS	CRANE H	2018	10,756
Mathematics	ELEMENTS OF NUMERICAL ANALYSIS	DR FAIZ AHMAD	2019	250
Mathematics	INTRODUCTION TO FINITE ELEMENTS IN ENGINEERING 4TH ED	CHANDRUPATL A	2019	2,095
Mathematics	INTRODUCTORY QUANTUM MECHANICS 4TH ED	LIBOFF	2019	2,861
Mathematics	INDUCTION IN GEOMETRY	SOMINSKII	2019	3,388
Mathematics	MATHEMATICAL MATURITY VIA DISCRETE MATHEMATICS	PONOMARENK O	2019	3,388
Mathematics	ORDINARY DIFFERENTIAL EQUATIONS AND STABILITY THEORY AN INTRODUCTION	SANCHEZ	2019	3,388
Mathematics	WORKED EXAMPLES IN MATHEMATICS FOR SCIENTISTS & ENGINEERS	STEPHENSON	2019	3,388
Mathematics	LECTURES ON CLASSICAL DIFFERENTIAL GEOMETRY 2ND ED	STRUIK	2019	3,615

Mathematics	GEOMETRY OF COMPLEX NUMBERS CIRCLE GEOMETRY, MOEBIUS TRANSFORMATION, NON-EUCLIDEAN GEOMETRY	SCHWERDTFEG ER	2019	3,841
Mathematics	NONNEGATIVE MATRICES & APPLICABLE TOPICS IN LINEAR ALGEBRA	GRAHAM	2019	3,841
Mathematics	TOPOLOGY	HOCKING	2019	3,841
Mathematics	SPECIAL FUNCTIONS AND THEIR APPLICATIONS	LEBEDEV	2019	4,294
Mathematics	THEORETICAL NUMERICAL ANALYSIS AN INTRODUCTION TO ADVANCED TECHNIQUES	LINZ	2019	4,294
Mathematics	ADVANCED CALCULUS 2ND ED.	WIDDER	2019	5,201
Mathematics	ANALYTIC FUNCTIONS	EVGRAFOV	2019	5,654
Mathematics	MODERN MULTIDIMENSIONAL CALCULUS	MUNROE	2019	5,654
Mathematics	THEORETICAL HYDRODYNAMICS	THOMSON	2019	6,787
Mathematics	ELEMENTS OF MODERN MATHEMATICS	MAY	2019	7,467
Mathematics	COMPLEX VARIABLES FOR SCIENTISTS AND ENGINEERS 2ND ED	PALIOURAS	2019	7,920
Mathematics	WATER WAVES THE MATHEMATICAL THEORY WITH APPLICATIONS	STOKER	2019	7,920
Mathematics	MATHEMATICS OF VOTING AND APPORTIONMENT: AN INTRODUCTION	EL-HELALY S	2019	8,301
Mathematics	MEASURE AND INTEGRATION	SHIRALI S	2019	8,301
Mathematics	UNDERGRADUATE ALGEBRA: A UNIFIED APPROACH	BREŠAR M	2019	8,301
Mathematics	QUANTUM MECHANICS	MESSIAH	2019	9,053
Mathematics	FOUNDATION ALGEBRA	GAJJAR P	2019	9,250
Mathematics	MULTILINEAR OPERATOR INTEGRALS: THEORY AND APPLICATIONS	SKRIPKA A	2019	9,487
Mathematics	STATIONARY DIFFRACTION BY WEDGES: METHOD OF AUTOMORPHIC FUNCTIONS ON COMPLEX CHARACTERISTICS	KOMECH A	2019	9,487
Mathematics	AN INTRODUCTION TO DIFFERENTIAL EQUATIONS AND THEIR APPLICATIONS	FARLOW	2019	10,640
Mathematics	EFFECTIVE STATISTICAL LEARNING METHODS FOR ACTUARIES III: NEURAL NETWORKS AND EXTENSIONS	DENUIT M	2019	10,673
Mathematics	GROUP MATRICES, GROUP DETERMINANTS AND REPRESENTATION THEORY: THE MATHEMATICAL LEGACY OF FROBENIUS	JOHNSON K	2019	10,673
Mathematics	INVARIANT MEASURES FOR STOCHASTIC NONLINEAR SCHRÖDINGER EQUATIONS: NUMERICAL APPROXIMATIONS AND SYMP	HONG J	2019	10,673
Mathematics	ANALYTIC INEQUALITIES	KAZARINOFF	2020	2,028
Mathematics	TOPOLOGY 2ND ED,	MUNKRES	2020	2,106
Mathematics	FOUNDATIONS OF MODERN ANALYSIS	FRIEDMAN	2020	2,935
Mathematics	UNDERSTANDING VECTOR CALCULUS PRACTICAL DEVELOPMENT & SOLVED PROBLEMS	FRANKLIN	2020	2,935
Mathematics	A FIRST LOOK AT NUMERICAL FUNCTIONAL ANALYSIS	SAWYER	2020	3,388
Mathematics	INTRODUCTION TO TOPOLOGY 3RD ED	MENDELSON	2020	3,388
Mathematics	LAPLACE TRANSFORMS AND THEIR APPLICATIONS TO DIFFERENTIAL EQUITIONS	MCLACHLAN	2020	3,388
Mathematics	MATH THROUGH THE AGES A GENTLE HISTORY FOR TEACHERS AND OTHERS 2ND ED	BERLINGHOFF	2020	3,388
Mathematics	MATHEMATICS OF RELATIVITY	RAINICH	2020	3,388
Mathematics	THOMAS' CALCULUS, 14TH ED	HASS	2020	3,515
Mathematics	COMPLEX ANALYSIS THE ARGUMENT PRINCIPLES IN ANALYSIS AND TOPOLOGY	BEARDON	2020	3,841
Mathematics	TENSOR ANALYSIS ON MANIFOLDS	BISHOP	2020	3,841
Mathematics	CLASSICAL DYNAMICS	GREENWOOD	2020	4,294

	NUMERICAL SOLUTION OF PARTIAL DIFFERENTIAL EQUATIONS BY THE FINITE ELEMENT METHOD	JOHNSON	2020	4,294
Mathematics	VECTORS, TENSORS, AND THE BASIC EQUATIONS OF FLUID MECHANICS	ARIS	2020	4,294
	A HISTORY OF VECTOR ANALYSIS THE EVOLUTION OF THE IDEA OF A VECTORIAL SYSTEM	CROWE	2020	4,521
Mathematics	PRINCIPLES OF TOPOLOGY.	CROOM	2020	4,521
Mathematics	GENERAL TOPOLOGY.	KELLEY	2020	5,201
	THEORY OF WING SECTIONS INCLUDING A SUMMARY OF AIRFOIL DATA	ABBOTT	2020	5,654
Mathematics	THE THEORY OF GROUPS	HALL	2020	6,107
Mathematics	CALCULUS AN INTUITIVE AND PHYSICAL APPROACH	KLINE	2020	7,014
	THE MATH TEACHER'S TOOLBOX HUNDREDS OF PRACTICAL IDEAS TO SUPPORT YOUR STUDENTS	WONG	2020	7,920
Mathematics	FUNDAMENTAL MATHEMATICAL ANALYSIS	MAGNUS R	2020	8,301
	ELEMENTARY CALCULUS AN INFINITESIMAL APPROACH 3RD ED	KEISLER	2020	9,053
Mathematics	COURSE IN ALGEBRAIC ERROR-CORRECTING CODES	BALL S	2020	9,487
Mathematics	NOTES ON GEOMETRY AND ARITHMETIC	CORAY D	2020	10,673
	PROBABILISTIC METHODS IN TELECOMMUNICATIONS	JAHNEL B	2020	10,673
Mathematics	CONCEPTS OF MODERN MATHEMATICS	STEWART	2021	3,841
Mathematics	INTRODUCTION TO GRAPH THEORY	TRUDEAU	2021	3,841
	BARRON'S MATH 360 A COMPLETE STUDY GUIDE TO GEOMETRY YOUR GO-TO GUIDE FOR EVERYTHING GEOMETRY	WAITE	2021	3,946
Mathematics	BARRON'S MATH 360 A COMPLETE STUDY GUIDE TO PRE-ALGEBRA YOUR GO-TO GUIDE FOR EVERYTHING PRE-ALGEBRA	LORANDINI	2021	3,946
	BARRON'S MATH 360 A COMPLETE STUDY GUIDE TO PRE-CALCULUS YOUR GO-TO GUIDE FOR EVERYTHING PRE-CALCULLUS	S.LEFF	2021	3,946
Mathematics	PARTIAL DIFFERENTIAL EQUATIONS FOR SCIENTISTS AND ENGINEERS	FARLOW	2021	4,294
	HOW TO TEACH MATHS UNDERSTANDING LEARNERS NEEDS	CHINN	2021	4,473
Mathematics	THE FOUNDATIONS OF STATISTICS	SAVAGE	2021	4,521
	BASIC ABSTRACT ALGEBRA: FOR GRADUATE STUDENTS AND ADVANCED UNDERGRADUATES	ASH	2021	5,654
Mathematics	AN INTRODUCTION TO FUNCTIONAL PROGRAMMING THROUGH LAMBDA CALCULUS	MICHAELSON	2021	5,881
Mathematics	CATEGORY THEORY IN CONTET	RIEHL	2021	6,787
	CLASSICAL ELECTRICITY AND MAGNETISM 2ND ED	PANOFSKY	2021	6,787
Mathematics	THE FINITE ELEMENT METHOD LINEAR STATIC AND DYNAMIC FINITE ELEMENT ANALYSIS	HUGHES	2021	7,467
Mathematics	DIFFERENTIAL GEOMETRY OF CURVES & SURFACES REVISED & UPDATED 2ND ED	CARMO	2021	7,920
	MATHEMATICAL METHODS FOR PHYSICS AND ENGINEERING 3RD ED	RILEY	2021	10,527
Mathematics	STUDENT'S GUIDE TO SPECIAL RELATIVITY	GRAY N	2022	4,963
Mathematics	PRACTICAL ALGEBRA: A SELF-TEACHING GUIDE 3RD/ED	WONG B	2022	5,640
	LINEAR REGRESSION: AN INTRODUCTION TO STATISTICAL MODELS	MARTIN P	2022	7,446
Mathematics	STATISTICAL INFERENCE AND PROBABILITY	MACINNES J	2022	7,446
Mathematics	BASIC MATH & PRE-ALGEBRA AIO FOR DUMMIES	ZEGARELLI M	2022	9,013

Mathematics	AN INVITATION TO COMBINATORICS	SHAHRIARI	2022	9,738
Pakistan	PAKISTAN STUDIES	ZAFAR	2020	270
Pakistan	ALLAMA IQBAL ON EGO AND SOME RELATED CONCETPS	KHALIQ	2019	450
Pakistan	MY BROTHERS	FATIMA JINNAH	2021	450
Pakistan	THE STRUGGLE FOR PAKISTAN	QURESHI	2021	540
Pakistan	EAST PAKISTAN TO BANGLADESH	KHAN	2021	585
Pakistan	PAKISTAN THE FORMATIVE PHASE 1857-1948 2ND ED	SAYEED	2021	675
Pakistan	RULE BY FEAR EIGHT THESES ON AUTHORITARIANISM IN PAKISTAN	JAN	2021	675
Pakistan	MY KASHMIR CONFLICT AND THE PROSPECTS OF ENDURING PEACE	HABIBULLAH	2019	716
Pakistan	STATE AND SOCIETY IN PAKISTAN	BURKI	2019	716
Pakistan	CONSTITUTIONAL DEVELOPMENT IN PAKISTAN 2ND ED	CHAUDHURY	2021	716
Pakistan	QUAID-E-AZAM MOHAMMAD ALI JINNAH SPEECH AND STATEMENTS, 1947-48	BHUTTO	2021	716
Pakistan	BREAKING THE BREAKERS PUBLIC POLICY & GOVERNANCE CASE STUDIES FROM PAKISTAN	AKIF	2021	720
Pakistan	PAKISTAN IN THE TWENTIETH CENTURY A POLITICAL HISTORY	ZIRING	2021	720
Pakistan	EDUCATION POLICIES IN PAKISTAN POLITICS, PROJECTIONS, AND PRACTICES 2ND ED	SIDDIQUI	2021	806
Pakistan	A SHORT HISTORY OF PAKISTAN	QURESHI	2020	810
Pakistan	PAKISTAN A DREAM GONE SOUR	KHAN	2021	824
Pakistan	JINNAH OF PAKISTAN	WOLPERT	2022	855
Pakistan	PAKISTAN'S FOREIGN POLICY 1947-2019 A CONCISE HISTORY 5TH ED	SATTAR	2022	855
Pakistan	PAKISTAN FAILURE IN NATIONAL INTEGRATION	JAHAN	2019	896
Pakistan	THE PARLIAMENT OF PAKISTAN A HISTORY OF INSTITUTION-BUILDING AND (UN) DEMOCRATIC PRACTICES, 1971-1977	HUSSAIN	2019	896
Pakistan	PAKISTAN'S PERPETUAL CRISIS AND CIVIL-MILITARY RELATIONS (2008-12) INTERNAL AND INTERNATIONAL FACTORS	AKHTAR	2020	896
Pakistan	RETHINKING PAKISTAN A 21ST CENTURY PERSPECTIVE (PB)	ZAHOOOR	2021	896
Pakistan	M.A. JINNAH THE OUTSIDE VIEW 3RD ED	KAZIMI	2022	896
Pakistan	PAKISTAN POLITICAL ROOTS & DEVELOPMENT 1947-1999	MAHMOOD	2022	896
Pakistan	THE EMERGENCE OF PAKISTAN	CH. M. ALI	2019	900
Pakistan	HISTORY OF INSTITUTE OF EDUCATION AND RESEARCH UNIVERSITY OF THE PUNJAB	MIRZA	2021	900
Pakistan	LIAQUAT ALI KHAN HIS LIFE AND WORK.	KAZIMI	2021	927
Pakistan	THE CLASS STRUCTURE OF PAKSITAN	RAHMAN	2021	927
Pakistan	WE'VE LEARNT NOTHING FROM HISTORY PAKISTAN: POLITICS AND MILITARY POWER	KHAN	2021	927
Pakistan	PAKISTAN ALTERNATIVE IMAGININGS OF THE NATION STATE	SCHAFLECHNE R	2020	986
Pakistan	THE LAST DAYS OF UNITED PAKISTAN	CHAUDHARY	2020	1,076
Pakistan	A CONCISE HISTORY OF PAKISTAN	KAZIMI	2022	1,076
Pakistan	SAPT SINDH LAND OF THE SEVEN RIVERS FROM EARLIEST TIMES TO THE PRESENT CENTURY	AZFAR	2022	1,260
Pakistan	TREK TO PAKISTAN	SAEED	2019	1,346
Pakistan	PAKISTAN: PRINCIPLES OF PUBLIC POLICY REDEFINED	AHMED	2020	1,346
Pakistan	PAKISTAN'S POLITICAL PARTIES SURVIVING BETWEEN DICTATORSHIP AND DEMOCRACY	MUFTI	2020	1,346

Pakistan	FACTS ARE FACTS THE UNTOLD STORY OF INDIA'S PARTITION	KHAN	2019	1,350
Pakistan	JINNAH, PAKISTAN AND ISLAMIC IDENTITY THE SEARCH FOR SALADIN	AHMED	2020	1,526
Pakistan	THE SILK ROAD AND BEYOND NARRATIVES OF A MUSLIM HISTORIAN	MALIK	2020	1,607
Pakistan	THE PATHANS WITH AN EPILOGUE ON RUSSIA	CAROE	2021	1,607
Pakistan	PERSPECTIVES IN SOCIAL HISTORY OF COLONIAL PUNJAB	KAMRAN	2021	1,616
Pakistan	TWO YEARS OF DEMOCRACY IN PAKISTAN 2018-2020	ALI EHSAN	2021	1,616
Pakistan	PAKISTAN AND SUPER POWERS A HISTORICAL PERSPECTIVE	ALI	2020	1,796
Pakistan	NATIONAL AWAMI PARTY NATURE AND DIRECTION OF POLITICS 1957-1975 AN ACCOUNT OF THE LEFT AND PROGRESSIVE POLITICS IN PAKISTAN	YAQUBI	2021	1,796
Pakistan	PAKISTAN UNDER BENAZIR BHUTTO 1988-1990	SETHI	2021	1,796
Pakistan	PEOPLE'S ROLE IN STRUGGLE FOR PAKISTAN 1940-47	IMRAN	2021	1,796
Pakistan	GLIMPSES OF SINDHI HERITAGE	KALHORO	2021	1,800
Pakistan	TREASURED MEMORIES	HAMID	2021	1,800
Pakistan	GWATAR BAY TO SIR CREEK THE GOLDEN COAST OF PAKISTAN HISTORY AND MEMOIRS	RAO	2022	1,800
Pakistan	SUBJECTIVE ATLAS OF PAKISTAN	SHAHEEN	2020	2,174
Pakistan	NORTHERN PAKISTAN HIGH MOUNTAIN FARMING AND CHANGING SOCIONATURES	SPIES	2019	2,246
Pakistan	SECULAR JINNAH & PAKISTAN WHAT THE NATION DOESN'T KNOW 4TH & ENLARGED ED	KARIM	2021	2,250
Pakistan	PAKISTAN AT SEVENTY A HANDBOOK ON DEVELOPMENTS IN ECONOMICS, POLITICS AND SOCIETY (SPECIAL PAKISTAN EDITION)	BURKI	2020	2,619
Pakistan	JINNAH HIS SUCCESSES, FAILURES AND ROLE IN HISTORY	AHMED	2021	3,146
Pakistan	A PERSON OF PAKISTANI ORIGINS	SARDAR	2018	4,209
Physics	MICROWAVES AND RADAR PRINCIPLES AND APPLICATIONS	MAINI	2011	638
Physics	ELECTRONICS A SYSTEMS APPROACH 4TH ED	STOREY	2011	2,435
Physics	MODERN ELECTRONICS REVISED EDITION	ANAND	2012	1,134
Physics	NETWORK ANALYSIS AND SYNTHESIS	KUO	2012	1,727
Physics	STARS AND PLANETS THE WORLD IN YOUR HANDS	DK	2012	2,630
Physics	STUDENT UNIT GUIDE, EXCEL PHYSICS UNIT 2, PHYSICS AT WORK	ALLAN	2012	2,630
Physics	KENNEDY'S ELECTRONIC COMMUNICATION SYSTEMS 5TH ED	KENNEDY	2012	2,708
Physics	CAMBRIDGE O LEVEL PHYSICS WITH CD-ROM	SANG	2012	5,133
Physics	COLOUR TELEVISION TECHNOLOGY, TRANSMISSION AND RECEPTION 2ND ED	GULATI	2013	836
Physics	PRINCIPLES OF ELECTRONIC INSTRUMENTATION 2ND ED	DE SA	2013	1,006
Physics	SWITCHING THEORY AND LOGIC DESIGN 2ND ED	SUBRAMANAYAN	2013	1,488
Physics	TELEVISION ENGINEERING AND VIDEO SYSTEMS 2ND ED	GUPTA	2013	2,028
Physics	DIGITAL COMMUNICATIONS DESIGN FOR THE REAL WORLD WITH CD	BATEMAN	2013	2,095
Physics	ELECTRONIC MEASUREMENTS AND INSTRUMENTATION	OLIVER	2013	2,481
Physics	ELECTRONIC COMMUNICATIONS 4TH ED	RODDY	2013	2,832
Physics	FUNDAMENTALS OF COMMUNICATION SYSTEMS	PROAKIS	2013	2,832
Physics	DIGITAL COMMUNICATIONS 2ND ED	GLOVER	2013	3,031

Physics	COLOUR TELEVISION THEORY AND PRACTICE	BALI	2013	3,161
Physics	FOUNDATIONS OF ELECTRODYNAMICS	MOON	2013	4,521
Physics	MONOCHROME AND COLOUR TELEVISION 3RD MULTI COLOUR ED.	GULATI	2014	1,131
Physics	FUNDAMENTALS OF NAVIGATION AND INERTIAL SENSORS	BOSE	2014	1,205
Physics	LINEAR INTEGRATED CIRCUITS	RASHID	2014	1,415
Physics	ELECTRONIC PRODUCT DESIGN 2ND ED	KADUSKAR	2014	1,698
Physics	ELECTRONICS ENGINEERING	SINGH	2014	1,758
Physics	MICROELECTRONIC CIRCUITS ANALYSIS AND DESIGN 2ND ED	RASHID	2014	2,265
Physics	MILLMAN'S ELECTRONIC DEVICES AND CIRCUITS 3RD ED	MILLMAN	2014	2,266
Physics	VHDL MODULAR DESIGN AND SYNTHESIS OF CORES AND SYSTEMS WITH CD 3RD ED	NAVABI	2014	2,266
Physics	SIGNALS AND SYSTEMS	NAHVI	2014	2,380
Physics	INSTRUMENTATION DEVICES & SYSTEMS 2ND ED	RANGAN	2014	2,481
Physics	MILLMAN'S PULSE, DIGITAL AND SWITCHING WAVEFORMS 3RD ED	MILLMAN	2014	2,481
Physics	PRINCIPLES OF PROCESS CONTROL 3RD ED	PATRANABIS	2014	2,481
Physics	SCHAUM'S OUTLINES DIGITAL SIGNAL PROCESSING 2ND ED	HAYES	2014	2,481
Physics	TELEVISION AND VIDEO ENGINEERING	DHAKE	2014	2,481
Physics	DIGITAL AND ANALOG COMMUNICATION SYSTEMS 8TH ED	COUCH	2014	2,634
Physics	ELECTRONIC COMMUNICATIONS SYSTEMS FUNDAMENTALS THROUGH ADVANCED 5TH ED	TOMASI	2014	2,832
Physics	CONTEMPORARY COMMUNICATION SYSTEMS	MESIYA	2014	3,286
Physics	MICROELECTRONICS 2ND ED	MILLMAN	2014	3,513
Physics	ELECTRONIC MEASUREMENTS AND INSTRUMENTATION 3RD REVISED EDITION	RAJPUT	2015	1,403
Physics	MODERN TELEVISION PRACTICE TRANSMISSION, RECEPTION AND APPLICATIONS 5TH MULTI COLOUR ED.	GULATI	2015	1,415
Physics	SWITCHING THEORY AND LOGIC DESIGN	RAO	2015	1,840
Physics	MECHATRONICS INTEGRATED TECHNOLOGIES FOR INTELLIGENT MACHINES SOUTH ASIA ED	SMAILI	2015	1,942
Physics	COMMUNICATION SYSTEMS ENGINEERING 2ND ED.	PROAKIS	2015	2,152
Physics	ANALYSIS AND DESIGN OF ANALOG INTEGRATED CIRCUITS 5TH ED	GRAY	2015	2,180
Physics	DIGITAL ELECTRONICS 5TH ED	GREEN	2015	2,237
Physics	MILLMAN'S ELECTRONIC DEVICES AND CIRCUITS 4TH ED	MILLMAN	2015	2,481
Physics	THE ART OF ELECTRONICS 2ND ED	HOROWITZ	2015	2,821
Physics	ADAPTIVE FILTER THEORY 4TH ED	HAYKIN	2015	2,832
Physics	RF MICROELECTRONICS 2ND ED	RAZAVI	2015	2,892
Physics	MICROELECTRONIC CIRCUIT AND DEVICES 2ND ED	HORENSTEIN	2015	3,031
Physics	NISE'S CONTROL SYSTEMS ENGINEERING 7TH EDITION GLOBAL EDITION	NISE	2015	12,915
Physics	RADAR SYSTEMS AND RADIO AIDS TO NAVIGATION	SEN	2016	751
Physics	OPERATIONAL AMPLIFIERS AND LINEAR INTEGRATED CIRCUITS	KISHORE	2016	1,021
Physics	TELEVISION ENGINEERING AUDIO AND VIDEO SYSTEMS	BORMANE	2016	1,216
Physics	OPERATIONAL AMPLIFIERS AND LINEAR INTEGRATED CIRCUITS 6TH ED	COUGHLIN	2016	1,219
Physics	MODERN INERTIAL SENSORS AND SYSEMS	BOSE	2016	1,276
Physics	CONTROL SYSTEMS	VENKATESH	2016	1,488

Physics	SWITCHING THEORY AND LOGIC DESIGN 3RD ED	KUMAR	2016	1,559
Physics	ELECTRONIC DEVICES AND CIRCUITS	MAINI	2016	1,670
Physics	ADVANCED ELECTRONIC COMMUNICATIONS SYSTEMS 6TH ED.	TOMASI	2016	2,010
Physics	PULSE AND DIGITAL CIRCUITS	RAO	2016	2,095
Physics	DIGITAL ELECTRONICS PRINCIPLES AND APPLICATIONS	MANDAL	2016	2,153
Physics	MILLMAN'S INTEGRATED ELECTRONICS ANALOG AND DIGITAL CIRCUITS AND SYSTEMS 2ND ED	MILLMAN	2016	2,380
Physics	ENERGY FROM NUCLEAR FISSION AN INTRODUCTION	SANCTIS	2016	12,482
Physics	INTEGRATED CIRCUIT TECHNOLOGY	GARG	2017	595
Physics	CIRCUIT THEORY	VENKATESH	2017	1,559
Physics	SIGNALS AND SYSTEMS 3RD ED	KUMAR	2017	1,687
Physics	CIRCUIT DESIGN AND SIMULATION WITH VHDL 2ND ED	PEDRONI	2017	1,829
Physics	POWER SYSTEM OPERATION AND CONTROL	SIVANAGARAJ U	2017	1,925
Physics	CAMBRIDGE IGCSE PHYSICS LABORATORY PRACTICAL BOOK	KENNETT	2017	1,974
Physics	PRINCIPLES OF RELIABLE SOLDERING TECHNIQUES 2ND ED	SENGUPTA	2017	1,982
Physics	MICROWAVE DEVICES AND CIRCUITS 3RD ED	LIAO	2017	2,123
Physics	PRINCIPLES OF MEASUREMENT SYSTEMS 3RD ED	BENTLEY	2017	2,265
Physics	SATELLITE COMMUNICATIONS 4TH ED	RODDY	2017	2,380
Physics	ELEMENTS OF ELECTRONIC INSTRUMENTATION AND MEASUREMENT 3RD ED	CARR	2017	2,634
Physics	THE ASTRONOMY BOOK BIG IDEAS SIMPLY EXPLAINED	DK	2017	5,666
Physics	AUTOMATIC CONTROL SYSTEMS 10TH ED	GOLNARAGHI	2017	8,158
Physics	ESSENTIALS OF BIOMEDICAL INSTRUMENTS AND TECHNIQUES	DATTA	2018	468
Physics	ELECTROMAGNETIC WAVES AND RADIATING SYSTEMS 2ND ED.	JORDAN	2018	1,585
Physics	FUNDAMENTALS OF ELECTRICAL ENGINEERING AND ELECTRONICS MULTICOLOUR ILLUSTRATIVE EDITION	THERAJA	2018	1,914
Physics	DORF'S INTRODUCTION TO ELECTRIC CIRCUITS 9TH ED	SVOBODA	2018	2,152
Physics	CONSUMER ELECTRONICS	BALI	2018	2,549
Physics	THE AVR MICROCONTROLLER AND EMBEDDED SYSTEMS USING ASSEMBLY AND C	MAZIDI	2018	2,690
Physics	ELEMENTS OF STATISTICAL THERMODYNAMICS 2ND ED	NASH	2018	2,708
Physics	INTRODUCTORY CIRCUIT ANALYSIS 12TH ED	BOYLESTAD	2018	2,861
Physics	FINITE-DIMENSIONAL VECTOR SPACES 2ND ED	HALMOS	2018	3,388
Physics	GRID-SIDE CONVERTERS CONTROL AND DESIGN INTERFACING BETWEEN THE AC GRID AND RENEWABLE POWER SOURCES	VUKOSAVIC	2018	12,936
Physics	QUANTUM PHYSICS AN INTRODUCTION BASED ON PHOTONS	LVOVSKY	2018	13,617
Physics	KITTEL'S INTRODUCTION TO SOLID STATE PHYSICS 8TH GLOBAL ED	KITTEL	2018	15,702
Physics	DYNAMICS AS PER UNIFIED UGC SYLLABUS FOR B.A/BSC 4TH ED	RAISINGHANIA	2019	780
Physics	NETWORKS, LINES AND FIELDS 2ND ED	RYDER	2019	1,641
Physics	CONTROL SYSTEMS THEORY AND APPLICATIONS 2ND ED	GHOSH	2019	1,812
Physics	MECHATRONICS ELECTRONIC CONTROL SYSTEMS IN MECHANICAL AND ELECTRICAL ENGINEERING 6TH ED	BOLTON	2019	2,265

Physics	DIGITAL INTEGRATED CIRCUITS A DESIGN PERSPECTIVE 2ND ED	RABAEY	2019	2,350
Physics	GATE SERIES ELECTRONICS AND COMMUNICATION ENGINEERING 2019	TRISHNA	2019	2,410
Physics	ONE, TWO, THREE.... INFINITY FACTS AND SPECULATIONS OF SCIENCE	GAMOW	2019	2,935
Physics	OXFORD DICTIONARY OF PHYSICS 8TH ED	OXFORD	2019	3,420
Physics	FUNCTIONAL ANALYSIS	BACHMAN	2019	5,654
Physics	ENGINEERING ELECTROMAGNETICS 9TH ED	HAYT	2019	12,351
Physics	ELECTRODYNAMICS AND OPTICS	DEMTRODER	2019	14,752
Physics	CLASSICAL FIELD THEORY	NASTASE	2019	15,792
Physics	QUANTUM FIELD THEORY FROM BASICS TO MODERN TOPICS	GELIS	2019	15,792
Physics	ELECTRONIC DEVICES AND CIRCUIT THEORY 11TH ED..	BOYLESTAD	2020	3,371
Physics	POWER ELECTRONICS: DEVICES, CIRCUITS AND APPLICATIONS, 4TH ED	RASHID	2020	3,660
Physics	APPLICATIONS OF TENSOR ANALYSIS	MCCONNELL	2020	4,294
Physics	FUNDAMENTALS OF ASTRODYNAMICS 2ND ED	BATE	2020	5,654
Physics	A SELF-TEACHING GUIDE BASIC PHYSICS 3RD ED	KUHN	2020	5,663
Physics	THE PHYSICS BOOK BIG IDEAS SIMPLY EXPLAINED	DK	2020	5,666
Physics	THE GENETICS OF HUMAN POPULATIONS	BODMER	2020	7,467
Physics	INTRODUCTION TO ENERGY TECHNOLOGIES FOR EFFICIENT POWER GENERATION.	DIMITROV	2020	11,317
Physics	INTRODUCTION TO MOLECULAR BIOPHYSICS	TUSZYNSKI	2020	11,317
Physics	LIGHTING ENGINEERING APPLIED CALCULATIONS	BEAN	2020	11,317
Physics	PROPERTIES OF MATERIALS	KELLY	2020	11,317
Physics	THERMODYNAMICS ...	LUSCOMBE	2020	11,317
Physics	WAVES AND OSCILLATIONS IN PLASMAS 2ND ED	PECSELI	2020	11,317
Physics	A SHORT COURSE IN GENERAL RELATIVITY AND COSMOLOGY	HENTSCHKE	2020	11,347
Physics	INTRODUCTION TO THE PHYSICS OF MATTER BASIC ATOMIC, MOLECULAR, AND SOLID-STATE PHYSICS 2ND ED	MANINI	2020	11,347
Physics	ELECTRONICS FOR PHYSICS AN INTRODUCTION	SUITS	2020	13,617
Physics	SPECIAL RELATIVITY AN INTRODUCTION WITH 200 PROBLEMS AND SOLUTIONS 2ND ED	TSAMPARLIS	2020	13,617
Physics	COLLEGE PHYSICS WITH AN INTEGRATED APPROACH TO FORCES AND KINEMATICS 5TH ED	GIAMBATTISTA	2020	13,711
Physics	MODERN PHYSICS 4TH ED EMEA ED	KRANE	2020	14,275
Physics	FUNDAMENTALS OF ASTROPHYSICAL FLUID DYNAMICS HYDRODYNAMICS, MAGNETOHYDRODYNAMICS, AND RADIATION HYDRODYNAMICS	KATO	2020	14,752
Physics	NANO AND QUANTUM OPICS AN INTRODUCTION TO BASIC PRINCIPLES AND THEORY	HOHENESTER	2020	14,752
Physics	HALLIDAY AND RESNICK'S PRINCIPLES OF PHYSICS, 11TH EDITION, GLOBAL EDITION	HALLIDAY	2020	15,861
Physics	UNDERSTANDING PHYSICS 3RD ED	MANSFIELD	2020	15,863
Physics	THINKING ABOUT SPACE AND TIME	BEISBART	2020	15,887
Physics	BARRON'S SCIENCE 360 A COMPLETE STUDY GUIDE TO PHYSICS YOUR GO-TO GUIDE FOR EVERYTHING PHYSICS	RIDEOUT	2021	3,946
Physics	RETHINK LEADING VOICES ON LIFE AFTER CRISIS AND HOW WE CAN MAKE A BETTER WORLD	RAJAN	2021	4,473

Physics	SPACE! THE UNIVERSE AS YOU'VE NEVER SEEN IT BEFORE REVISED NEW UPDATED ED	DK	2021	5,663
Physics	FUNDAMENTALS OF ASTROPHYSICS	OWOCKI	2021	9,211
Physics	OPTICS VOLUME 2 OF MODERN CLASSICAL PHYSICS	THORNE	2021	10,198
Physics	INTRODUCTION TO SENSORS FOR ELECTRICAL AND MECHANICAL ENGINEERS	VOVAK	2021	11,054
Physics	ELASTICITY AND FLUID DYNAMICS VOLUME 3 OF MODERN CLASSICAL PHYSICS	THORNE	2021	11,331
Physics	PLASMA PHYSICS VOLUME 4 OF MODERN CLASSICAL PHYSICS	THORNE	2021	11,331
Physics	FUNDAMENTALS OF ELECTRIC CIRCUITS 7TH ED	ALEXANDER	2021	12,000
Physics	GROB'S BASIC ELECTRONICS 13TH ED	SCHULTZ	2021	12,124
Physics	ELECTRONIC PRINCIPLES 9TH ED	MALVINO	2021	12,906
Physics	RELATIVITY AND COSMOLOGY VOLUME 5 OF MODERN CLASSICAL PHYSICS	THORNE	2021	13,597
Physics	CORE ELECTRODYNAMICS	CHAPMAN	2021	13,617
Physics	TEACHING ELECTROMAGNETICS INNOVATIVE APPROACHES AND PEDAGOGICAL STRATEGIES	SELVAN	2021	13,950
Physics	COLLEGE PHYSICS 3RD ED	FREEDMAN	2021	14,213
Physics	MULTIAGENT SYSTEMS INTRODUCTION AND COORDINATION CONTROL	MAHMOUD	2021	14,476
Physics	INTRODUCTION TO SOLID STATE PHYSICS FOR MATERIALS ENGINEERS	ZOLOTOYABKO	2021	14,730
Physics	MICROWAVE ENGINEERING THEORY AND TECHNIQUES 4TH ED INTERNATIONAL ADAPTATION	POZAR	2021	15,181
Physics	GENERAL RELATIVITY AND COSMOLOGY A FRIST ENCOUNTER	ADLER	2022	8,623
Physics	SOLAR SYSTEM BETWEEN FIRE AND INCE	HOCKEY	2022	9,211
Physics	BIRD'S ELECTRICAL AND ELECTRONIC PRINCIPLES AND TECHNOLOGY 7TH ED	BIRD	2022	9,738
Physics	FUNDAMENTALS OF THERMODYNAMICS	LEE	2022	11,844
Physics	HIGH SCHOOL AND UNDERGRADUATE PHYSICS PRACTICALS WITH 3D SIMYLATONS	LUCAS	2022	12,096
Physics	DIGITAL ELECTRONICS PRINCIPLES & APPLICATIONS 9TH INTERNATIONAL EDITION	TOKHEIM	2022	12,464
Physics	ENGINEERING CIRCUIT ANALYSIS 12 ED INTERNATIONAL ADAPTATION	IRWIN	2022	12,915
Physics	ESSENTIALS OF HUMAN ANATOMY & PHYSIOLOGY 13TH GLOBAL EDITION	MARIEB	2022	14,739
Zoology	PRACTICAL CANINE BEHAVIOUR: FOR VETERINARY NURSES AND TECHNICIANS	HEDGES S	2014	10,345
Zoology	BRITAIN'S BUTTERFLIES: A FIELD GUIDE TO BUTTERFLIES OF BRITAIN & IRELAND 3RD/ED	NEWLAND D	2015	5,855
Zoology	DOMESTIC ANIMAL BEHAVIOUR AND WELFARE 5TH/ED (INCLUDES ONLINE ACCESS)	BROOM D M	2015	11,021
Zoology	METAMORPHOSIS OF THE WORLD	BECK,U	2016	4,501
Zoology	HOW THE ENDOCRINE SYSTEM WORKS 2ND/ED	NEAL J M	2016	9,013
Zoology	PRACTICAL PHYSIOTHERAPY FOR VETERINARY NURSES	CARVER D	2016	9,022
Zoology	WAGGISH : DOGS SMILING FOR DOG REASONS	CHON	2017	2,922
Zoology	DOGS OF AVALON : THE RACE TO SAVE ANIMALS IN PERIL	SCHENONE	2017	6,080
Zoology	URBAN PEST CONTROL: A PRACTITIONER'S GUIDE	DHANG P	2018	5,655
Zoology	FIELD GUIDE TO THE FISHES OF THE AMAZON ORINOCO & GUIANAS (PB)	SLEEN	2018	11,331

Zoology	TEXTBOOK OF MEDICAL PHYSIOLOGY 14TH/ED (PAKISTANI EDITION)	GUYTON A C	2020	3,895
Zoology	Raising Chickens For Dummies, 2nd Edition	Blackiston	2020	5,789
Zoology	WILD ANIMALS AND LEISURE: RIGHTS AND WELLBEING	CARR N	2020	10,204
Zoology	KEY QUESTIONS IN ZOO AND AQUARIUM STUDIES: A STUDY AND REVISION GUIDE	REES P A	2021	5,515
Zoology	PRACTICAL CANINE BEHAVIOUR: FOR VETERINARY NURSES AND TECHNICIANS 2ND/ED	HEDGES S	2021	12,414
Zoology	IMPROVING ANIMAL WELFARE: A PRACTICAL APPROACH 3RD/ED	GRANDIN T	2021	12,731
Zoology	VERTEBRATE ZOOLOGY (HB)	SINGH	2022	3,995
Zoology	KEY QUESTIONS IN ANIMAL BEHAVIOUR AND WELFARE: A STUDY AND REVISION GUIDE	REES P A	2022	5,515
Zoology	EMOTIONAL WELL-BEING FOR ANIMAL WELFARE PROFESSIONALS	DURSTON T	2022	9,655
Zoology	AQUACULTURE: AN INTRODUCTORY TEXT 4TH/ED	STICKNEY R R	2022	12,414
Zoology	BROOM AND FRASER'S DOMESTIC ANIMAL BEHAVIOUR AND WELFARE	BROOM D M	2022	12,414
Zoology	FRASER'S THE BEHAVIOUR AND WELFARE OF THE HORSE 3RD/ED	FRASER A F	2022	12,414
Zoology	TEXT BOOK OF PLANT ECOLOGY FOR BS STUDENT OF BOTANY, ZOOLOGY, BIOTECHNOLOGY, MICROBIOLOGY ENVIRONMEN	DR FARRUKH HUSSAIN	2023	796
SUBJECT		QUANTITY OF BOOKS		COST (PKR)
Basic Sciences				
Botany	82		2,128,167	
Computer	100		929,963	
Physics	151		891,503	
Biology	81		722,582	
Mathematics	106		627,682	
Chemistry	65		525,135	
Bioinformatics	10		323,818	
Zoology	23		183,497	
Health	55		69,028	
Social Sciences				
English	110		588,288	
Law	68		536,632	
Economics	102		498,222	
Management	80		481,776	
Business	50		438,512	
Fine Arts	50		302,728	
Finance	43		284,243	
Pakistan	55		283,456	
Islam	70		184,770	

Section VIII.

Sample Forms

Sample Forms

1.	Bid Form and Price Schedules	135,136
2.	Manufacturer’s/Distrbutor's/Dealer's Certificate Form	137

1. Bid Form and Price Schedules

To:

Focal Person,
University of Kamalia.

Date:

Tender No.

Gentlemen and/or Ladies:

Having examined the bidding documents including Tender No.1/2023, the receipt of which is hereby duly acknowledged, we, the undersigned, offer to supply and deliver *[description of goods and services]*in conformity with the said bidding documents for the sum of *[total bid amount in words and figures]*or such other sums as may be ascertained in accordance with the Schedule of Prices attached herewith and made part of this Bid. We understand that failure to furnish all information required by the bidding documents or to submit a bid not substantially responsive to the bidding documents in every respect will be at our risk and may result in the rejection of its bid.

If our bid is accepted, we undertake to provide a performance security in the form, in the amounts, and within the times specified in the bidding documents and to deliver the goods in accordance with the delivery schedule specified in the Schedule of Requirements. Failure to which, the Purchaser reserve the right to take action as per provisions of the bidding documents.

We agree to abide by this Bid for the Bid Validity Period specified in Clause 16.1 of the Bid Data Sheet and it shall remain binding upon us and may be accepted at any time before the expiration of that period.

Commissions or gratuities, if any, paid or to be paid by us to agents relating to this Bid, and to contract execution if we are awarded the contract, are listed below:

Name and address of agent	Amount and Currency	Purpose of Commission or gratuity
_____	_____	_____
_____	_____	_____
_____	_____	_____
(if none, state “none”)		

Until a formal Contract is prepared and executed, this Bid, together with your written acceptance thereof and your notification of award, shall constitute a binding Contract between us. We understand that you are not bound to accept the lowest or any bid you may receive.

We certify/confirm that we comply with all requirements as per ITB Clause 2 of the bidding documents.

Dated this _____ day of _____ 20_____.

[signature]

[in the capacity of]

Duly authorized to sign Bid for and on behalf of _____

Price Schedule for Goods Offered from within the Purchaser's Country

Name of Bidder _____Tender Number ____Page _ of ____.

1	2	3	4	5
Item	Description	Country of origin	Quantity	Price including all Taxes

Signature of Bidder _____

Note: In case of discrepancy between unit price and total, the unit price shall prevail.

Manufacturer’s/Distributor’s/Dealer’s Certificate Form

[See Clause 13.3 (a) of the Instructions to Bidders.]

To: *[name of the Purchaser]*

WHEREAS *[name of the Manufacturer/Distributor/Dealer]* who are established and reputable Manufacturer/Distributor/Dealer of *[name and/or description of the goods]* having factories/Warehouse/trading house at *[address of factory]*

do hereby authorize *[name and address of Agent]* to submit a bid, and subsequently negotiate and sign the Contract with you against Tender No. *[reference of the Invitation to Bid]* for the above goods manufactured by us.

We hereby extend our full guarantee and warranty as per Clause 15 of the General Conditions of Contract for the goods offered for supply by the above firm against this Invitation for Bids.

[signature for and on behalf of Manufacturer]

Note: This letter of authority should be on the letterhead of the Manufacturer/Distributor/Dealer and should be signed by a person competent and having the power of attorney to bind the Manufacturer. It should be included by the Bidder in its bid.