

Main Administration Block , Charbagh Swat

Phone: 0946-920815

Email: Storeofficer@uswat.edu.pk

1. Registered Name of the Firm (Block Letters)

2. Name of CEO (Block Letters)

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3. Contact Information:

i. Head Office: _____

ii. Franchise/Outlet: _____

iii. Postal Address: _____

iv. Office No: Cell No: _____

4. STRN: _____

5. National Tax Non (NTN): _____

6. Aggregate of the total quoted price _____

7. Amount of CDR (@2% of the total Amount _____

Q. 10

Signature of the Bidder with date and Stamp: _____

SBA

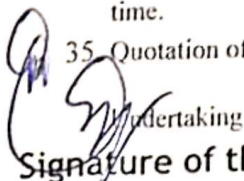
TERMS & CONDITIONS

1. Eligible firms include those who have successfully completed five relevant projects in government/semi-government/autonomous organizations.
2. Rates should be quoted against each item desired for bid. However, successful / most advantageous bidder shall be declared on the basis of overall lowest cost of a **PACKAGE**.
3. Call deposit at the rate of 02% (two percent) earnest money shall be attached.
4. Income Tax and Sale Tax or any other applicable tax shall be deducted at source.
5. In case of non-supply and installation of required item(s) mentioned in the Tender documents, CDR will be forfeited in favor of the University.
6. The successful bidder should be bound for Supply and installation of lab equipment etc from PC-1, in stipulated time (mentioned in the supply order) otherwise.
0.067 % penalty per day would be imposed Maximum up to 10% of the total amount, if the supply is not completed in specified time
7. The number of items can be increased or decreased with the approval of the Competent Authority.
8. For electrical / IT / laboratory equipment the warranty period of at least 01 (one) year is mandatory to be mentioned in the quotations & for the Expendable items will be one month from issuance of completion certificate.
9. Retention money will be deducted from running bill @10% and will be released after successful completion of the Defect Liability Period (and after issuance of completion certificate/End User Certificate).
10. No tender or bid shall be entertained without deposition of the CDR @ 2%. Original CDR will be enclosed in financial bid; however, its copy shall be provided in the technical bid.
11. No tender or bid shall be entertained without deposition of Tender fee @ Rs. 10000/- (Ten Thousand) which shall be deposited in account No **3244316617** National Bank of Pakistan (NBP) Main Branch Saidu Sharif Swat. (Branch Code: 1330), in favor of Treasurer University of Swat
12. The firms must write on the corner of the envelope the name of the items/equipment's applied for.
13. Provision of sample is obligatory for the firms in due course of time, if mentioned in supply order, and if the firm fails to provide the sample, then the firm will be excluded from the tender.
14. No alternate rate shall be entertained for the items/equipment.
15. All prices should be quoted on F.O.R (Pak Rupees) inclusive of all taxes.
16. Your bid proposal should be inclusive of freight and all other taxes and to be delivered at University of Swat's.
17. All pages of the bidding documents are mandatory to be signed, stamped meaning thereby bidder agrees to our terms and conditions, mentioned herein, failing which the bid may be liable to rejection.
18. If the vendor fails to deliver the goods / services to University of Swat, within the given deadline, any of the following can be opted by University of Swat on the recommendation of the end user and approval of the authority;
 - a. An extension in the delivery period may be granted in case a valid reason/justification with necessary documentary evidence is provided by the vendor supporting the reason for delay.
 - b. A penalty up to 10% of the invoice value may be charged.
 - c. Purchase order may be cancelled along with confiscation of earnest money if the vendor fails to deliver the goods / services after the initial or extended delivery time, as the case may be.
19. The Competent Authority reserves the right to accept or reject any or all of tenders processed by signing any reason(s) (as per PPRA & KPPRA Rules).
20. If the delivered goods / services are not according to the required quality standards / specifications, the

Signature of the Bidder with date and Stamp: _____

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- same shall be liable to be rejected after inspection. The vendor would be required to supply as per requirements mentioned in our BoQs, otherwise the purchase / work order will be cancelled after due date with confiscation of earnest money.
21. Purchase order (s) will be awarded to the Most Advantageous bidder (s) on the basis of item wise / subtotal wise / grand total wise according to the nature of BoQs.
 22. No overwriting / cutting / corrections or interpolation will be allowed in the BOQ's/Quotations/bids, if any.
 23. Any bids received after the prescribed date & time for submission of bids shall be returned unopened.
 24. All prices should be valid for at least 120 days from the date of Tender opening, Withdrawal or any modification of the original offer within the validity period shall entitle University of Swat to forfeit the earnest money in favor of the University of Swat and put a ban on such vendor participation in University of Swat Tenders / works.
 25. Payment will be made on submission of Invoice in the name of "University of Swat" with a copy of delivery challan (s) after the complete order has been supplied, inspected and accepted which includes delivery / installation, and University of Swat acceptance / inspection thereof.
 26. All the bids will be scrutinized by the committee. Incomplete and conditional bids shall not be acceptable; however, the Committee may allow based on nature and suitability (on case-to- case basis) in best interest of the University.
 27. In case of any dispute or grievance, the matter shall be addressed as per PPRA/KPPRA rules.
 28. Product Qualification Criteria: If the product offered by vendor, failed to meet the specifications / standards mentioned in the BOQ, it will be rejected straightaway and no further consideration will be given. Also, if the offered product has better specifications than the requirement of BOQ it will be accepted.
 29. Please submit bid (rates) on our prescribed BoQs Form and clearly mention the quoted model / Brands, with complete terms and conditions signed, stamped with bids, otherwise your bid (s) may be rejected.
 30. In case more than one bidder have quoted same rates for an item / package; the bidder securing more items (in terms of cost) will be awarded the specific item. However, the supply order will be issued to bidder having highest marks in technical evaluation.
 31. Refurbished, Grey, used, open box or smuggled products will not be accepted in any case.
 32. As per Notification No. KPPRA/M&E/SBDs/1-1/2015, Dated Peshawar the May 03, 2016, Clause No: 32.2 reproduced as "Within thirty (30) days of receipt of the Contract Form/Supply Order, the successful Bidder shall sign and date the contract/Supply Order and return it to the Procuring agency
 33. As per Notification No. KPPRA/M&E/SBDs/1-1/2015, Dated Peshawar the May 03, 2016 clause No: 33.2, Reproduced as "Failure of the successful Bidder to comply with the requirement of ITB Clause 32 or ITB Clause 33.1 shall constitute sufficient grounds for the annulment of the award and forfeiture of the bid security, in which event the Procuring agency may make the award to the next lowest evaluated Bidder or call for new bids."
 34. Non-Black Listing Certificate (Firm shall submit an affidavit to the effect that
 - a. Firm has neither been blacklisted by any agency nor is involved in any subversive activities.
 - b. Firm is/was not involved in any litigation/Arbitration and that no work is rescinded in the past.
 - c. In case of misleading / fake information in case of 34 (a) and (b), the Supply order will be cancelled at any time.
 35. Quotation of the bids will be made lot wise.

 Undertaking

Signature of the Bidder with date and Stamp: _____

It is certified that the above terms & conditions have been read, learned and accepted.

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Signature of the Bidder with date and Stamp: _____

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Check List for supporting Documents

Sr.No	Item Name	Status	Remarks
(i)	Tender FEE of Rs. 10,000/- attached	Mandatory	
(ii)	2% Bid Security attached	Mandatory	
(iii)	FBR active Income Tax Certificate attached	Mandatory	
(iv)	FBR Operative and Active Sales Tax Certificate attached	Mandatory	
(v)	Compliance mandatory With the Specification	Mandatory	
(vi)	Non-Black Listing Certificate (Firm shall submit an affidavit to the effect that a. Firm has neither been blacklisted by any agency nor is involved in any subversive activities. b. Firm is/was not involved in any litigation/Arbitration and that no work is rescinded in the past * Sample is given at annexure B Separate Stamp paper: Affidavit / Declaration under Oath All the supplies I will provide shall strictly conform to the specifications provided. All products will be supplied as per the original and approved specifications. I further affirm that all chemical products supplied will be 100% genuine and original. This is my solemn assurance	Mandatory	
(vii)	Price Schedule/quotations * Sample is given at annexure C	Mandatory	



Signature of the Bidder with date and Stamp: _____

Technical Evaluation Criteria Mandatory

Past Experience	Marks										
Bidder's/Firm's General Experience Supply completion certificates issued by Government departments for General goods supplied. Worth of 50 million (overall) or above	20										
Bidder's/Firm's similar Experience Ten supply completion certificates issued by Institutional agencies/Govt. Deptt/ Public Sector for similar goods supplied. Worth of 10 million or above (Overall).	20										
Registered under the Companies Act, 2017 or Registered as a Firm under the Partnership Act, 1932. In continuous operation and duly registered for the last 05 years	10										
Income Tax Returns of last three years	6										
Self-Assessment from FBR for Last Three Years	6										
Financial Audit Reports of the Firm/Company/Bidder Last Three Years	6										
Office in Pakistan Major cities Lahore, Peshawar Malakand division Each Office 1 Marks. Maximum 2 Marks	2										
Financial Capabilities Annual Turnover (Last 03 Years) Marks will be awarded based on the average annual turnover of the firm/company over the last three (03) years, as per the following scale: <table border="1" style="margin-left: 40px;"> <tr> <td>Average Annual Turnover</td><td>Marks Allocated</td></tr> <tr> <td>Up to PKR 300 million</td><td>03 Marks</td></tr> <tr> <td>Up to PKR 400 million</td><td>05 Marks</td></tr> <tr> <td>Up to PKR 500 million</td><td>10 Marks</td></tr> <tr> <td>Up to PKR 600 million</td><td>20 Marks</td></tr> </table> Turnover shall be calculated and verified from the following documents: • Bank Statements • Income Tax Returns • Verifiable Financial Audit Reports of the Firm/Company/Bidder	Average Annual Turnover	Marks Allocated	Up to PKR 300 million	03 Marks	Up to PKR 400 million	05 Marks	Up to PKR 500 million	10 Marks	Up to PKR 600 million	20 Marks	20
Average Annual Turnover	Marks Allocated										
Up to PKR 300 million	03 Marks										
Up to PKR 400 million	05 Marks										
Up to PKR 500 million	10 Marks										
Up to PKR 600 million	20 Marks										
Provide Bank Maintenance Certificate and updated Bank Statements for the last three years. Closing Balance. Up to 01 million 02 Marks Up to 02 million 05 Marks Up to 03 million 07 Marks Up to 04 million 10 Marks	10										

Financial Evaluation and Scoring System for Bids (Maximum Allocable Marks Score = 30 marks) The financial bids of technically qualified bidders will be opened publicly at the time to be announced by the Procuring Agency and the financial bids found technically non-responsive shall be returned un-opened to the respective Bidders. Total Allocable marks for Technical Proposal = 70 Total Allocable marks in Financial Proposal = 30 Total Combined Allocable Score for individual bids = Marks obtained in Technical Evaluation + Marks obtained in Financial Evaluation = 100

Note: Technical Qualifying criteria will be 60% in overall score.

Signature of the Bidder with date and Stamp: _____

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Non-Black Listing Certificate
(TO BE ENCLOSED WITH BID DOCUMENT)
(To be printed at stamp paper)

I, _____ S/o _____ working as
Proprietor/Managing Partner/Director of M/s _____ having its registered office
at _____ do hereby solemnly affirm and declare on oath as under:

1. That I am competent to swear this affidavit being proprietor/one or the partners/ Director of
M/s _____.
2. That M/s _____ is a proprietorship/partnership
firm/company is participating in tender process conducted by Institute.
3. That I hereby confirm and declare that none of my/our group/sister concern/associate company is
participating/ submitting this tender.
4. That I hereby confirm and declare that my/our firm/company M/s _____ and
my/our firm/group/company/ sister concern / associate company have not been black listed/de-listed by
any Institutional agencies/Govt. Deptt/ Public Sector department.
5. That there is no change in the Name & Style, Constitution and Status of the firm, after Pre-qualification.
6. That I further undertake that in case any of the facts contained above and in our application is round other-
wise or incorrect or false at any stage, my/our firm/company/ group/sister concerns/ associate companies
shall stand debarred from the present and future tenders of the University of Swat.
7. That I further undertake that the Firm is/was not involved in any litigation/Arbitration and that no work is
rescinded in the past.

(Signature of the Proprietor/ Managing Partner/Director with Seal) DEPONENT

Verified at _____ on _____ that the contents of paras 1 to 7 of this affidavit
are true and correct to best of my knowledge and no part of this is false and nothing material has been
concealed or falsely stated therein.

(Signature of the Proprietor/ Managing Partner/ Director with Seal)

DEPONENT

(Signature & Seal of Notary)



Signature of the Bidder with date and Stamp: _____

Specifications

Signature of the Bidder with date and Stamp: _____

PACKAGE No. 01

Dressing Materials/Fluids and IV Administration Sets

S. No	Equipments Name	Quantity	Specification
	Bandages 6 inches	15	Types: Gauze bandages Elastic bandages Cohesive/self-adherent bandages Israeli bandages Tubular bandages Adhesive bandages
	Bandages 4 inches	6	Types: Flexible Fabric Adhesive Bandages Waterproof Silicone Foam Dressings Elastic Bandages Hydrocolloid Bandages Island Dressings Compression Bandages
	Bandage 2 inches	12	Types: Fabric Bandages Sheer Bandages Flexible Fabric Bandages Extra Large (2x4 inch) Elastic Roller Bandages Gauze Roller Bandages Self-Adhesive Bandages
	Cotton Roll	6	made from 100% cotton and can be sterilized or non-sterile. Weight: 5g, 50g, 100g, 250g, 500g, 1000g.
	Gauze Roll	2	Types: Gauze Bandage Rolls Gauze Swabs/Sponges Jumbo Gauze Rolls Absorbent Gauze Rolls Fluff Gauze Rolls material (100% cotton, etc.), mesh count, length, and width.
	Sani Plast	6	Made of a flexible, breathable material with a central antiseptic pad and a strong adhesive backing.
	POP Bandage 6 inches	4	Types: Gypsona POP Bandage Orthopedic POP Bandage
	Creap Bandage 6 inches	5	Width: 6 inches (approximately 15 centimeters). Length: Typically 5 yards (4.5 meters) when stretched, or 4 meters unstretched. Material: Primarily cotton with a percentage of spandex or other elastic fibers.
	Creap Bandage 4 inches	4	Width: 4 inches (10 cm). Material: Typically made from a blend of cotton and elastic fibers, providing both support and flexibility. Length: Often available in various lengths, with a common length being 4 meters (unstretched).
	Adhesive Plaster	4	Typically consist of a backing material, an adhesive, and a non-stick pad to cover the wound. Types: Fabric Plasters, Waterproof/Washproof Plasters, Blue Plasters, Hypoallergenic Plasters, Hydrocolloid Plasters, Medicated Plasters, Specialty Plasters
	Sani Plast	6	Made of a flexible, breathable material with a central antiseptic pad and a strong adhesive backing

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Syringes 100cc	5box	100 ml volume, sterile construction, and may come with or without a needle. Needle gauge: 18G to 27G
Syringes 50cc	5box	clear barrel made of polypropylene, with high contrast graduations for precise volume measurement. Needle gauge: 18G to 25G
Syringes 30cc	5box	Typically has a clear barrel with graduations (markings) for measuring the volume of fluid, typically in 1 ml increments. Needle gauge: 18G to 27G
Syringes 20cc	5box	A graduated barrel with markings indicating volume, a nozzle for attaching a needle, and a plunger for fluid control. Needle gauge: 18G to 27G
Syringes 10cc	5box	typically has a graduated scale on the barrel for accurate measurement of fluid volume, with intervals of 0.2, 0.5, or 1.0 ml. Needle gauge: 18G, 19G, 20G, 21G, 22G, and 23G
Syringes 5cc	5box	consists of a barrel, a plunger, and a needle (often with a Luer lock or slip fitting). Needle gauge: 21G, 22G, and 23G
Syringes 3cc	5box	medical device with a capacity of 3 milliliters, used for injecting or drawing fluids Needle gauge: 20G to 27G.
Syringes 1cc (insulin syringe)	5box	a medical device designed to hold and dispense 1 milliliter of liquid. Needle gauge: 25G to 31G
R/L 1000ml	2	An isotonic solution containing electrolytes like sodium, potassium, calcium, chloride, and lactate.
N/S 1000ml	1	1000ml (1 liter) bag or bottle of Normal Saline (0.9% Sodium Chloride) intravenous (IV) solution.
D/S 10% 1000 ml	2	contains 10% dextrose by weight, and the total volume is 1000 ml.
D/W 25% 100ml	1	purity of at least 99.0% (calculated on a dry basis) and a pH of around 8.3 for a 1% aqueous solution.
D/S 25% 500ml	1	Each milliliter contains 250mg of dextrose, delivering 3.4 kcal/gram or 0.85 kcal/mL.
Sodium bi Carbonate 25ml	4	25 mL provides 25 mEq of sodium and 25 mEq of bicarbonate. The pH range is 7.5 – 9.5.
KCL 20ml	4	
Infusion set	2 box	consists of a spike, tubing, a drip chamber, a flow regulator, and a connector. Specifications include the materials used, dimensions, and safety features, ensuring proper and safe fluid delivery
Syringes, cannula different size	30 each	Syringes: various sizes (e.g., 2mL, 5mL, 10mL). Cannulas: different gauges (e.g., 14G, 16G, 18G, 20G, 22G, 24G)
Electrolytes Solution	2	Medical Grade Analytical Grade

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Anatomical Charts/Anatomical models

Equipments Name	Quantity	Specification
Skin	8	Aair Medicals, Pak Surgicals.
Liver and pancreas	8	Aair Medicals, Pak Surgicals.
Lungs	8	Aair Medicals, Pak Surgicals.
Heart	8	Aair Medicals, Pak Surgicals.
Kidney	8	Aair Medicals, Pak Surgicals.
Brain Movable	8	Aair Medicals, Pak Surgicals.
Stomach	8	Aair Medicals, Pak Surgicals.
Skull	8	Aair Medicals, Pak Surgicals.
Arm with hand	8	Aair Medicals, Pak Surgicals.
Skeleton Large	8	Aair Medicals, Pak Surgicals.
Skeleton Small	8	Aair Medicals, Pak Surgicals.
Vertebras with Pelvis, Skull	8	Aair Medicals, Pak Surgicals.
Knee Joint with Muscles	8	Aair Medicals, Pak Surgicals.
Elbow Joint with Muscles	8	Aair Medicals, Pak Surgicals.
Vacuum Bottle	8	Aair Medicals, Pak Surgicals.
Torso Female Big	8	Aair Medicals, Pak Surgicals.
Torso Male	8	Aair Medicals, Pak Surgicals.
Femur Bone	8	Aair Medicals, Pak Surgicals.
Tibia Bone	8	Aair Medicals, Pak Surgicals.
Fibula Bone	8	Aair Medicals, Pak Surgicals.
Humerus Bone	8	Aair Medicals, Pak Surgicals.
Radius Bone	8	Aair Medicals, Pak Surgicals.
Ulna Bone	8	Aair Medicals, Pak Surgicals.
Scapula Bone	8	Aair Medicals, Pak Surgicals.
Pelvic Bone	8	Aair Medicals, Pak Surgicals.
Clavicle Bone	8	Aair Medicals, Pak Surgicals.
Ear	8	Aair Medicals, Pak Surgicals.
Teeth	8	Aair Medicals, Pak Surgicals.
Eye	8	Aair Medicals, Pak Surgicals.
Throat	8	Aair Medicals, Pak Surgicals.
Urinary System	8	Aair Medicals, Pak Surgicals.
Human skeleton big	8	Standard Medical Chart
Human skeleton small	8	Standard Medical Chart
Joints and limbs in skeleton	8	Standard Medical Chart
Human heart	8	Standard Medical Chart
Human arterial system	8	Standard Medical Chart
Human venous system	8	Standard medical chart
Human nervous system	8	Standard Medical Chart
Human digestive system	8	Standard Medical Chart
Human respiratory system	8	Standard Medical Chart
Human excretory system	8	Standard Medical Chart
Brain chart	10	Standard Medical Chart
Human spinal cord	10	Standard Medical Chart
Human ear	10	Standard Medical Chart

Human skin	10	Standard Medical Chart
Human endocrine system	10	Standard Medical Chart
Human reproductive system	10	Standard Medical Chart
Lymphatic system	10	Standard Medical Chart
Muscular system	10	Standard Medical Chart
Ichihara Test Chart	10	Standard Medical Chart
Body bones	10	Standard Medical Chart
Upper Limb (Anterior view)	10	Standard Medical Chart
Upper Limb (posterior view)	10	Standard Medical Chart
Lower limb (Anterior view)	10	Standard Medical Chart
Lower limb (posterior view)	10	Standard Medical Chart
Upper Limb Muscles Chart (Anterior view)	10	Standard Medical Chart
Upper Limb Muscles Chart (posterior view)	10	Standard Medical Chart
Upper Limb Muscles Chart (Anterior view)	10	Standard Medical Chart
Upper Limb Muscles Chart posterior view)	10	Standard Medical Chart
Pelvis Chart	10	Medical Chart Standard
Skull Chart (Anterior View)	10	Medical Chart Standard
Skull Chart (lateral View)	10	Medical Chart Standard
Spinal cord chart	10	Medical Chart Standard
Urinary System chart	10	Medical Chart Standard

Intake (Small + large) chart 10

medical chart Stander

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Package No. 03 Medical Equipments

Equipments Name	Quantity	Specification
Goniometer (5 piece set)	2	Range: 0-360 degree Resolutions: 0.06" to 0.5" Size: 6/8/12 inch Measured in inches
Goniometer (Standard))	2	Size: 8 inches Range: 180 degree
Physio Ball (Different Sizes)	5	Sizes: 45cm-85cm
Measuring Tapes	20	Size: 1 meter-2meter
Exercise Mats	5	Size: 143cm x 60cm x 1cm
Balance Board	1	Size: 40cm-56cm diameter
Mirror for Postural Correction	1	A flat, reflective surface and a sturdy, adjustable frame for easy movement and viewing size: 1200mm (47") x 360mm (14")
First Aid Box	1	supplies for wound care, burncare, and medication, Medical Tools, Hygiene and Sanitation, Personal Items
Stair case with Ramp	1	Step Heights: 7.5cm-15cm Step Depths: 25cm-30cm Step Widths: 60cm Ramp length: Depend on height Ramp Width: 60cm Length: 36 inches Width: 6 inches
Foam Rollers / Wedges	2	Height: 4-6 inches Wedge Angle: determines the level of pressure and targeted areas
Weighing Machine	1	Digital, Analog
Shoulder Wheel	1	Adjustable height, variable resistance, and a range of motion arc
Reflex Mallet	10	Materials, weight, length, and features like tips for plantar reflexes
Thera Band	4	Size: Width: 5 inches Length: Available in various lengths, including 50-yard rolls
Stools	15	Adjustable height, lumbar support, and a variety of base configurations with wheels for mobility
Static cycling machine	1	Electrical Specifications Energy Consumption in Standby Power Requirement Training Features: Q Factor Pedal Crank Length Fast Track Controls Maximum Resistance Drive System) Flywheel Weight Resistance Levels Comfort Features: USB Charger Console Display Connectivity: Bluetooth Rotating Screen
Quad Strengthening Chair	1	Adjustable Backrest Resistance System Sturdy Frame Padded Support Weight Capacity Dimensions Weight Plates
Walkers	3	Height adjustability, wheel design (swivel or fixed), frame material, and options like seats or trays.
Elbow Crutches	02 pair	Overall Length: Ranges from 550 to 750 mm Handle Height: Can be adjusted from 380 to 530 mm Maximum User Weight: Typically 100 kg or more Unit Weight: Generally around 1 kg or slightly more Adjustable Length
Canes (Standard)	2	Standard Canes Offset Canes Multiple-legged Canes Four Legs Height Adjustment Handle Weight Capacity Balance and Support
Tetra pod canes	2	Weight Bearing Types: Standard Tetrapod's Elbow Cuff Tetrapod's Narrow and Wide Base Tetrapod's
Wheel Chairs	1	Wheelchair Types: Manual Wheelchairs Power Wheelchairs Specialty Wheelchairs

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Treadmill	2	Frame, seat, backrest, footrests, and wheels, with considerations for weight capacity, adjustability, and Low starting speeds, easy-access incline and decline, and innovative programs for various abilities. Length: Usually 2-3 meters Height: 69 to 101 cm Width: 40-80 cm
Parallel Bars	1	Bar Profile: Oval, often 5 cm Construction: Typically made of wood and steel Safety: Should have locking mechanisms to ensure stability and prevent accidental loosening according to Weight Limit: To support users up to 140 kg
Ultrasound	1	Frequency: 1 MHz and 3 MHz Output Modes: Continuous mode Power Output: 0.1 to 3 W/cm ² or higher Treatment Time: 1 to 30 minutes Pulse Frequency: 16 Hz, 48 Hz, and 100 Hz Duty Cycle: Transducer: Power Supply: 220V AC, 50Hz or 100-240V, 50/60 Hz Display: (LCD, touch screen) to show parameters and settings.
Interferential Current Unit	1	Carrier Frequency: 2000 Hz or 4000 Hz Base Frequency: 1-150 Hz Sweep Frequency: 1-150 Hz Sweep Modulation: Therapy Modes: Two-pole, four-pole, and vector modes. Output Current: up to 100 mA Timer: Digital timer, usually ranging from 0-60 minutes Programs: 1/1, 1/5, 1/5S, and 6/6S Dimensions and Weight: Power Supply: AC 100-240V, 50/60 Hz
Stimulator	1	Frequency, pulse width, intensity, and timer settings, waveform options and safety class
TENS	3	Adjustable frequency (1-250 Hz), pulse width (20-250 microseconds), output mode (continuous/pulsed), and multiple channels (often 2 or 4)
Cold Packs/ Chilling Unit	2	Capacity: Units range in size, 4.6 to 5 cubic foot capacity Material: made of stainless steel for durability Insulation: Closed-cell foam insulation. Temperature Control: -12°C to -6°C Defrosting: Manual defrost or automatic defrost systems with drain valves for easy cleaning Shelves/Racks: Removable shelves or racks to hold cold packs. Mobility: Heavy-duty casters for easy movement. Electrical: units plug into a standard electrical outlet. Includes: Many models come with a set of cold packs.
Shortwave Diathermy	1	Frequency: 27.12 MHz, used in both continuous and pulsed modes. Power Output: 250 watts to 1000 watts Output Mode: Machines offer both continuous and pulsed output modes Pulsed Mode Parameters: Pulse frequency can range from 5 Hz to 800 Hz, and pulse width can vary from Timer: From 0 to 30 or 99 minutes. Tuning Control Voltage: 200-240 V/50 Hz Dimensions: dimensions in the range of 470 (W) x 470 (D) x 940 (H) Weight: weigh around 38 kg
Hydrocollator	1	Power Supply: 110-240V 50/60Hz Power Consumption: 1000W Weight: Around 39 kg Dimensions (LxBxH): 67x40x84 cm Tank Capacity: Approximately 68-74 liters Temperature Range: 71-74°C Heating Period: 70°C, around 8 hours Cooling Period: Starting from 70°C, around 3 hours Thermal Cut-off Temperature: 82-85°C Temperature Accuracy: +/- 10% Electrical Safety Class: Class I, Type B Insulation: Fiberglass insulation
Wax Bath	1	Construction: Double-walled, insulated, with a stainless steel wax tank Heaters: 1kW heaters Heat Control: Thermostat for temperature adjustment Accessories: wax, a brush, and a mesh for heaters Power: 220-240V Wax Capacity: 5-15 kg Size: 27" x 18" x 15" Material: Stainless steel for the tank, aluminum for the cover, and laminated wood for the rim Power: 100W to 275W Adjustability: Adjustable angle settings

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Infra Red light system	1	Timer: Timers to control treatment duration Switch-off function. Lamp type: PAR 38/1 bulbs Lifetime: lifespan of several thousand hours Safety Features: IEC certification and Class II insulation ensure safety Medical Device Compliance Medical Device Directive 2007/47/EC and MDD 93/42/EEC
Galvanometer	2	Sensitivity, Range, Accuracy, Stability, Durability.
Vernier calipers	2	Accuracy: A high level of accuracy Measuring Range: Resolution: Multi-Purpose Measurement: Durability: Ergonomics: Units: Zero Error:
Screw Gauge	2	Analytical Grade
Stop watch	2	Digital stopwatches often display time in hours, minutes, seconds, and fractions of a second.
Thermometer	5	Measure a range of 32-43°C with an accuracy of ±0.1°C in a specific range and within a measurement time
Digital Thermometer	5	Temperature range, accuracy, resolution, measurement time 10-15sec display, and power source
Oxygen Mask	2	Types: Simple face mask Partial rebreather face mask Non-Rebreather mask Venturi mask Tracheotomy mask Nasal cannula High flow nasal cannula
Pulse Oximeter	2	Oxygen Saturation (SpO2) - 96% or more Pulse Rate (bpm) - 40-100 Temp 36.5-37.5
Ambo Bag	2	Types: Reusable Disposable Pediatric/Neonatal: Adult Self-Inflating Flow-Inflating Silicone
Mobilization Belt	2	Medical Grade/Analytical
Hard Cervical Collar	2	A rigid, medical-grade neck brace used to support and immobilize the neck
Ankle Wrist Weight set	2	Size: (S,M,L,XL,XXL)
Calf Stretch Wedge	2	Weights ranging from 0.5 kg to 10 lbs
Wrist Mobilization Wedge	2	can be made from various materials like EPP foam, steel, or wood, and come in different sizes and
Hand Exercise Therapy Ball	2	Size: 12"L x 6.3"W x 2.2"H (for a small wedge) or 12"L x 6.3"W x 4.4"H (for a larger wedge).
Hand Gripper Exerciser	2	They generally involve a wedge-shaped device, often made of durable materials like rubber or polyurethane.
Medicine Ball 2 Kg	2	Size and Shape:
Cervical Traction Device	2	Round: 50mm diameter, fitting comfortably in the palm
Shoulder Pulley	2	Oval: oval-shaped for a different grip and exercise.
Laryngeal Airway	2	Diameter: 1-1/4" to 2 5"
Oral And Nasal Airway	2	Size: 50mm, 53mm, 75mm
PVC Splinter Forceps	2	Materials: PU (polyurethane), TPR (thermoplastic rubber), and silicone
Dual Human Airway	2	Shape: round, oval
Dumbell Kg	2	Size: 14 inches in diameter weight: 2-25 pounds Materials: rubbers, vinyl, nylon, and leather
Balance Board	2	Over-the-Door Devices
Foam Roller	2	Inflatable Devices
First Aid Kit	2	Free-Standing Frame Devices
Step Stool	2	Consists of a pulley system with a rope and handles that can be hung over a door or mounted on a wall

Hydro collateral	2	Temperature Range: maintains a temp between 160°F and 165°F Power Consumption: 1000 watts Tank Capacity: range from 3 gallons to 27 gallons Construction: made of stainless steel Safety Features: Includes a thermal cut-out to prevent overheating Mobility: wheels for easy transport
Microwave diathermy	2	power output (typically up to 160W for treatment and 60W for physiotherapy), treatment time (adjustable in frequency of 27.12 MHz, power output ranging from 100W to 1600W (depending on continuous or pulsed
Shortwave diathermy	2	frequency (1 MHz or 1 MHz), power output (continuous or pulsed), and treatment duration
Ultrasonic therapy unit	2	typically offer adjustable parameters like pulse frequency, pulse width, and intensity, along with various
Electrical stimulator	2	Length: Ranges from 2.5 to 1.5 meters
		Width: ranging from 40 to 80 cm
		Height: ranging from 68 to 100 cm or more
Parallel bar	2	Handrail Diameter: Typically around 45mm
		Weight Capacity: range from 135 kg to 140 kg or more per user
Trade mill	2	speed range, incline/decline options, running surface dimensions, and safety features like handrails and
		Size and Positioning: The mirror should be large enough to allow the patient to see their entire back or
		Reflectivity: High-quality mirrors with good reflectivity are preferred to ensure a clear and accurate
Posture correction mirror	2	Durability: The mirror should be durable and stable, especially if it is used in a clinical setting with frequent
		Ergonomics: The mirror and its stand should be designed to be easily adjusted for different patients and
		Adjustable Resistance
		Comfortable Seating
		Ergonomic Design:
		User-Friendly Controls
		Heart Rate Monitoring
Stationary bicycle	2	Pre-programmed Workouts
		Accessibility Features
		Durability and Weight Capacity
		Specific examples:
		Technology Cycle
		Onipress 1.44 C
		Standard Walkers: Consist of four legs with handgrips
		Reciprocal Walkers
Walking aids	2	Rollators: Feature wheels (two front wheels and two rear legs) and brakes
		Height adjustable, lightweight, foldable, may include features like seats, baskets, and brakes
Tens	2	channel configuration (dual or single), operating modes (continuous, burst, modulation), pulse intensity
EMS	2	number of channels, output current, pulse frequency and width, and operating modes
		Leg elevation wedges
		Double leg elevator wedges
Wedges	2	Bed wedges Foam positioning pillow
		Abduction wedges
		Pelvic positioning wedges
		Digital thermometers
Thermometers	3	Mercury thermometers
		Forehead thermometers
Digital voltmeter	2	ramp-type digital voltmeters, integrating digital voltmeters, and successive approximation digital voltmeters
Power supply	1	IEC 60601-1
		AC/DC
Resistance box high up to 10000 ohms	2	Medical Grade/Analytical
Keys for resistance box	2	Medical Grade/Analytical
Galvanometer	2	measurement range (e.g., ±30µA, ±500µA), internal resistance (e.g., 1000 Ohms), sensitivity (e.g., 1µA per
		Battery Type: Ni-MH (Nickel-Metal Hydride)
Battery 12 v	2	Sealed Lead-Acid (SLA)
		Lithium-ion (Li-ion)
Resistance box low	2	Medical Grade/Analytical
Potentiometer	2	total resistance, tolerance, power rating, and taper, as well as mechanical characteristics like rotational
Ophthalmoscope	3	Direct ophthalmoscope
		In direct ophthalmoscope
		a light source (often LED or halogen), adjustable lenses for magnification and focus, and various
		apertures for different examination needs
Otoscope carrier	3	Types: Standard Otoscopes
		Video Otoscopes
		Operating Otoscopes
		Size: 2mm-10mm
		Shape: Funnel shape
Ear Specula (3,4,5,6 mm diam)	6	Oval Medial End
		Conical Funnel
		Material: Disposable Plastic, Polyethylene
		Types: Killian Nasal Speculum
Nasal Speculum (8 mm)	5	Thudichum Nasal Speculum
		Hartmann Nasal Speculum
		Hayden Nasal Speculum
		Types: Cottle nasal speculum
Dilating nasal speculum	4	Thudichum Nasal Speculum
		Killian Nasal Speculum
		blade length and width, overall instrument length, and the presence of features like a fixation screw for
		adjustable dilation
Laryngeal Mirror stem	4	typically refer to the dimensions of the mirror and the type of connection it has to the handle
		The mirror diameter varies, with common sizes ranging from 10mm to 28mm, often corresponding to
		numbered sizes like 000 to 7
Laryngeal mirrors	5	range in size from 10mm to 40mm in diameter and are available in various sizes, often numbered from
		00 to 8
		Material: Polystyrene (PS) is a common choice for its flexibility and smooth surface
		Dimensions:
		Length 150mm (6 inches)

Tongue depressor, plastic	5	Width 18mm Thickness 1.6-1.8mm Features: Smooth, rounded edges to prevent injury Sterility: Available in sterile Packaging: of 50 or 100 pieces Color: Typically translucent or cream colored
Battery handle	3	Medical Grade/Analytical
Spare Bulbs (2 large, 4 small)	10	Medical Grade/Analytical
Illuminator	3	Medical Grade/Analytical
Glucometer	3	Accu check
B P Apparatus	10	mercury, aneroid, and digital (automatic)
Stethoscope	10	Chestpiece: Can be single-headed or dual-headed Diaphragm: Used for high-frequency sounds Bell: Used for low-frequency sounds Tubing: Typically made of rubber or PVC Length: 12-15 inches (30-38 cm) Diameter: Around 1/8 inch (0.3 cm) Headset: made of stainless steel or chrome-plated brass Binaurals: The metal tubes connecting the earpieces to the chestpiece Earpieces: Can be made of rubber, PVC, or soft silicone Materials: Stethoscopes are made of various materials including zinc alloy, stainless steel, aluminum, and various plastics Weight and Length: 70-80cm long and weighs between 100-180 grams
B P Cuff adult	8	ideal cuff bladder length should be 80% of the arm circumference, and the width should be 40% Adult BP Cuff Sizes and Circumferences Small Adult: ≤ 26 cm Regular/Standard Adult: >26 to ≤ 34 cm Large Adult: >34 to ≤ 44 cm Extra-Large Adult: >44 CM
Anesthesia machine	2	Clinical grade
Anaesthesia ventilator	2	Clinical grade
Anaesthesia Gas Analyser (Gas/8-51)	2	Clinical grade
CFM/CFAM for Operation theatres	2	Clinical grade
PPE for chemical and MLT Labs	10	Lab/Medical Grade
Tyvek Suits	15	Tyvek or equivalent
Powered air-purifying respirator (PAPR) for MLT labs	5	Clinical/Lab Grade
Spill management kits	10	Lab Safety Grade
Waste bags and bins with different color	30	Medical Waste Grade
Vortex mixer	4	Vortex Mixer Vibrating motion continuously analog or digital dial speed control Electronic speed regulation 0 - 3000 rpm, Vibration orbit 4.5 mm, operating mode touch, continuous, high stability, Operated on 220V
Rotary shaker	2	Mechanical orbital Shaker 100-350 RPM shaking speed range, 10mm linear action
Ambo Bag	10	Types and Size : Adults 1600ml capacity Child 500 ml capacity Infants 240ml capacity Features: One way valve, Pressure relief valve, Oxygen reservoir bag, Autoclavable
Apron Rubber	2	Dimensions: Width 70-90 cm Length 120-150 cm Thickness: 300-400 μ m Chemical resistance, Heat resistance, Abrasion resistance, Water resistance
B P Apparatus (Manual)	10	Manometer/Gauge: 0-300mmHg Cuff: 22-34 cm Bulb/Pump Tube Stethoscope
Baby Cart	2	Dimensions: Height 74.5" Width 28.0" Length 39.0" Mattress size: 30" x 20" Loading capacity: 30 kg Material: Stainless steel Weight: 25 kg Side panel height: 5.75" Heater power: Adjustable from 0 to 100%
Baby Model	4	Designed to be lifelike and anatomically accurate, with features like a realistic umbilical cord and fontanelles
Baby Weight Machine	2	Weight Measurement: Often up to 20 kg Display: Displays weight in kilograms Power Sources: Can be battery-powered or AC adapter
Bedside Locker	2	Dimensions: Length 400mm to 550mm Width 400mm to 500mm Height 800mm to 860mm Load-bearing capacity, materials, and features like drawers, shelves, and locking mechanisms
Bedside Screen	2	Height: 168 cm Width: 244 cm Weight: 15 kg Foldable, 3 fold or 4 fold
Drawsheet	4	A specialized bed sheet, often with handles, used to assist in repositioning or transferring patients in a healthcare setting Size and Age: designed to simulate adults, children, infants

Dummy (Assessment)	5	Material: Made of polyvinyl chloride (PVC), silicone rubber, or thermoplastic polyurethane Internal Anatomy: Internal structures, including teeth, tongue, airways, lungs, and stomach Additional Features Intubation: The ability to demonstrate and practice airway management techniques Intravenous Access: Sites for practicing intravenous (IV) line insertion Injection Sites: Areas for practicing intramuscular injections Wound Care: Simulating different types of wounds for practice Palpation: Allowing for practice of physical exam techniques like abdominal palpation CPR: Specifically designed for practicing cardiopulmonary resuscitation (CPR)
Dummy (Delivery Mode)	5	Purpose: Dummy delivery models are primarily used in medical education and training programs to provide a safe and controlled environment for learning and practicing delivery-related procedures Features: These mannequins typically include A realistic representation of the female pelvis and vaginal canal A fetus or fetuses that can be manipulated to simulate different delivery positions Adjustable abdominal firmness to simulate different gestational ages Anatomic landmarks like the bony pelvis and spinal column
ENT Set	4	Otoscope: Ophthalmoscope: Laryngoscope: Rhinoscope: Nasal Speculum: Tongue Depressor/Blade: Laryngeal Mirror: Transilluminator: Forceps: Curettes: Loops and Snares:
Respirators	50	Respirators (N-95), Transparent mask
Flowmeter	3	Design: Thorpe tube design is common Flow Range: 0-15 LPM is a standard range. Material: Chrome-plated brass body for durability and safety, with polycarbonate flow tube and humidifier body. Backpressure Compensation. Inlet Pressure: Calibrated at 50-55 psi Inlet Connection: Standard inlet connections like G1/8" Accuracy: Typically $\pm 5\%$ of the read value. Mounting: Can be wall-mounted or panel-mounted Safety Features: May include safety valves to protect against overpressure and static charge dissipation devices Accessories: Humidifier bottles, cannulas, and other accessories may be included
Foley's Catheter	8	Various size: Ranging from 6Fr-26Fr 14Fr-18Fr are common size for adults. Balloon Size: Balloon sizes are 5, 10, and 30 ml Length: Adult catheters are typically around 40 cm Pediatric catheters are shorter, around 30 cm.
Forceps	25	Hemostatic Forceps (Kocher, Kelly, Mosquito) Artery Forceps (Kocher, Pean) Tissue Forceps (DeBakey, Adson) Dressing Forceps Thumb Forceps (Gillies, Adson) Sponge Forceps Clamps
Glycerine	20	Appearance: Clear, colorless, and viscous liquid Glycerol Content: Typically 99.7% Moisture Content: 0.3% or 2.0% Color: APHA color of 10 max Specific Gravity: 1.249 at 25/25°C Chlorides and Sulfates: Limits of 10 and 20 ppm Other Impurities: Residue on ignition (sulfated ash), heavy metals pH: 4.0 - 9.0 for a 10% solution
Hand Towel	10	Size: 15"25-18"30 Color: white, Blue Made of: 100% cotton
Hand Wash Liquid	20	Antimicrobial Activity: Alcohol-based hand sanitizers Contain 60% to 90% ethanol or isopropanol Antimicrobial soaps contain ingredients like chlorhexidine, chloroxylenol Skin Tolerance: Emollients: pH level: Low PH Testing for irritation:
Infusion Set	5	Perforator: Air Inlet: Drip Chamber: Tubing: Injection Port/ Site: Flow Regulator: Connector: A distal connector Needle: 21G
Infusion Stand	5	Material: Stainless steel, aluminum Height Adjustment: 135 cm to 225 cm Number of Hooks: 2 or 4, to hold IV bags or bottles Weight Capacity: hold between 30 and 45 pound Mobility: Mobile on casters, often with locking brakes

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		Surface Finish: Often pre-treated and epoxy powder coated for durability and ease of cleaning
Kidney Tray	4	A shallow, kidney-shaped basin used in medical settings for various purposes, including holding sterile instruments, soiled dressings, or medical waste Size: 6 inch, 8 inch, 10 inch, 12 inch
Large Mattress	5	Length: 80 inches Width: 36 inches Thickness: 6-7 inches
Large Towel	5	Color: white Size: 30*60 inch Made of 100% cotton
Liquid Paraffin	20	is a colorless, transparent, and oily liquid composed of refined hydrocarbons, typically paraffinic and naphthenic, derived from petroleum
Measuring Tape	8	Material: Fiberglass Length: 1.5 meters Markings: centimeters (cm) and inches, with markings on both sides Durability: Often reinforced with metal clips
Medium Towel	10	Color: white Size: 70cm*125cm Made of 100% cotton
Movable B P Set	10	Measurement range: 0 mmHg-300 mmHg Accuracy: ± 3 mmHg Measurement method: oscillometric or aneroid Cuff size: various size including adults child infants
N G Tube	10	Size Range: 6 Fr to 18 Fr Neonates and Infants: 6-8 Fr Children: 10-14 Fr Adults: 16-18 Fr Length: 90 and 120 cm
Needles	5 box	Needle gauge ranges from 16 to 32. Needle length varies from 1/2 inch to 1.5 inches
Over Bed Table	5	Shape: Rectangular Size: Length: 750mm - 900mm Width: 350mm - 450mm Height: 700mm - 1050mm Frame: Usually made of steel Tabletop: Laminated wooden board ABS plastic. Castors: Typically 4 castors, some with brakes
Oxygen Cylinder Meter	3	Flow Rate: oxygen flow from 0 to 15 L/min Input Pressure: To handle input pressures of 15 MPa Output Pressure: range of 0.2 to 0.3 MPa. Cylinder Connection: Humidification: A humidifier bottle Pressure Gauge: Flow Control Valve: Safety Features: safety features like a pressure regulator, safety valve, and gas filter to prevent leaks and ensure safe operation
Oxygen Distilled Water	5	Distilled water used for oxygen humidification or in oxygen concentrators should be of a high purity, free from contaminants like microorganisms.
Oxygen Mask	5	Simple masks: Deliver 28% to 50% oxygen at flow rates of 6-10 L/min Non-rebreather masks: offer 60-80% oxygen with 10-15 L/min flow Venturi masks: deliver 24% to 90% oxygen Nasal Cannula: 100% with flow rates up to 60 L/min
Patient Bed	5	Width: 36 inches (91 cm) Length: 80 inches (203 cm) Height: Adjustable from 21 to 29 inches (53 to 74 cm) Mattress Thickness: Typically 6-7 inches (15-18 cm)
Patient Dress	5	Typically made of soft, breathable, and non-irritating materials like cotton or soft synthetics
Pillow Cover	10	fluid-resistant, hypoallergenic, durable, and easy to clean and disinfect
Pillow Large	10	Size: While large hospital pillows often measure 80cm x 80cm Material: Common materials include: Fill: Hollowfibre, microfiber, or other soft, supportive materials Cover: Polycotton or 100% cotton, often with a sateen stripe
Plastic Bowls	10	Polypropylene (PP): Durable, suitable for a range of temperatures, and offers good chemical resistance Polyethylene (PE): Flexible, lightweight, and often used for disposable bowls PVC: Used in dental lab applications for flexibility and ease of mixing
Procedure catheter	10	Various size: Ranging from 6Fr-26Fr 14Fr-18Fr are common size for adults Balloon Size: Balloon sizes are 5, 10, and 30 ml Length: Adult catheters are typically around 40 cm Pediatric catheters are shorter, around 30 cm
Pyrexient	20	Menthol, Sodium Fluoride, Clove Oil, Tea Tree Oil and Eucalyptus Oil
Scissors	5	Made of high-quality stainless steel, often martensitic steel, for durability and sterilization Length: ranging from 4.5 inches to 7.25 inches Types: Operating scissors: Used for general tissue cutting and dissection 14cm Vascular scissors: Designed for delicate vascular surgery 19cm Episiotomy scissors: Used for episiotomies 18cm Suture scissors: Used for cutting suture material Spring forceps (spring scissors): Used for microsurgery or eye surgery
Screen Cleaner	5	70% Isopropyl Screen cleaner
Shower Gel	5	Typically a blend of water, surfactants and other ingredients for thickening, preserving, emulsifying, and adding fragrance or color
Small Bandage	5	Junior Bandages, Spot Bandages, Crepe Bandages, Cohesive Bandages
Small Pillow	5	Waterproof inner lining, breathable outer cover, and a comfortable filling like fiber pill
Soaps	20	antibacterial and antiseptic liquid soaps
Suture Needle	1	Size: 20g and 22g

		Length: 90mm for adults and 40 mm for children's
Steamer	3	Designed for steam sterilization at specific temperatures and pressures to kill microorganisms on medical devices, equipment, and consumables
Steel Large Bowl	5	Material: Typically 304 or 316 stainless steel, chosen for its durability and resistance to corrosion Shape: Round, with a smooth surface to facilitate cleaning and sterilization Size: large (e.g., 3000ml capacity) Intended Use: Holding surgical instruments, dressings, swabs, or liquids Sterilization: Designed to be sterilized using steam autoclaves or other methods Cleaning: Must be cleaned and disinfected after each use Corrosion Resistance: Resistant to rust and corrosion Examples: Surgical bowls, lotion bowls, measuring/mixing bowls
Steel Small Bowl	5	capacity around 180ml, a round shape, and dimensions like an inner diameter of 75-85mm and a height of 36-48mm
Sterile Strip	5	Size: 12mm x 100mm and 25mm x 125mm
Sterile Gloves	20	Latex
Stoma Set	5	Items for pouching, skin prep, and cleansing, with specific variations based on stoma type (colostomy, ileostomy, urostomy) and patient needs
Suction Machine	4	Power consumption: 120W Maximum negative pressure: ≥ 0.09 MPa Pump rate: ≥ 20 L/min Noise: ≤ 60 dB Continuous Working Time: 0-30 min Bottle volume: 2500 ml, 2 pcs
Teaching Stethoscope	10	Designed for two users, typically a teacher and a student, to simultaneously auscultate from the patient Dual Binaurals, Shared Chestpiece, Longer Tubing.
Tegadram Plus Pad	6	Type: Island dressing, transparent film with a non-adherent pad Sterility: Sterile. Waterproof: provides a barrier against water, bacteria, and viruses. Breathable: Yes, allows for moisture vapor and oxygen exchange. Adhesive: Pressure-sensitive adhesive on the film. Latex-free: Yes Available Sizes: 5cm x 7cm, 9cm x 10cm, 9cm x 15cm, 9cm x 20cm, 9cm x 25cm Recommended Uses: Post-operative wounds, acute wounds (abrasions, light to moderately draining wounds, IV catheter sites, and as a secondary dressing)
Thermometer	10	Digital thermometers Mercury thermometers Forehead thermometers Rectal thermometers
Tongue Depressor	10	Wood: Most commonly made from smooth, splinter Stainless Steel: Bosworth or Hartmann depressors Dimensions: Standard Size: 6 inches in length and 3/4 inches in width Junior Size: 5 1/2 inches in length Infant Size: 4 1/2 inches in length Thickness: Typically 1.8-2.2mm
Torch	10	a durable, preferably metal or sturdy plastic, housing, a compact, pocket-sized design, a bright, focused LED light source, and potentially a pocket clip for convenient carrying
Tourniquet	10	Made of rubber or elastic materials, with varying lengths for different limb sizes
Trays	10	Instrument trays, sterile holding trays, or specialty trays for specific procedures
Trolley	10	Dressing Trolley Medicine Trolley Instrument Trolley Crash cart Isolation Cart Stretcher Trolley Anaesthesia Carts Emergency Cart Hospital trolleys
Tuning Fork Set	10	Material: High-quality steel or aluminum for durability and consistent sound Frequency: Various frequencies, commonly 128 Hz, 256 Hz, 512 Hz, and 1024 Hz, for different types of testing. Design: A stem and two prongs that form a U-shape
Urine Collection Bag	10	Capacity: 2000ml capacity Graduations: They are marked with graduations, usually every 100ml Non-return valve: A valve prevents backflow of urine into the catheter T-valve: A one-hand-operated T-valve allows for easy emptying of the bag Universal tip: A universal tip allows for easy connection to various catheters Tubing: Kink-resistant tubing, typically 120cm long, ensures smooth urine flow Materials: Bags are usually made of medical-grade PVC or EVA, while tubing is made of PVC Sterility: Bags are typically sterile
Weight Machine (Adult)	5	Digital Manual
Blankets	10	Size 60inch*90inch Material Composition: Made of 100% cotton Weight: 1500gm Color: White
Wheelchair	3	Medical Grade
Stethoscopes	16	Clinical Grade
B.P. Apparatus	20	Clinical Grade
Examination Couch	3	Medical Grade
Finger Pulse Oximeter	2	Clinical Grade
X-Ray Illuminator	2	Clinical Grade
Glucometer	2	VivaCheck Eco or equivalent
Tourniquets	3	Medical Grade
Gel Tubes	1 pack	Medical Grade

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EDTA tubes	1 pack	Medical Grade
Plain tubes (Plastic)	2 pack	Medical Grade
Blood groups tile (white background)	2	Lab Grade
Sodium Citrate Tubes	1 pack	Medical Grade
Red Blood Cell Diluent (500ml)	1	Clinical Grade
Platelet Diluent (500ml)	1	Clinical Grade
WBC Diluent (500ml)	1	Clinical Grade
Digital Sugar set	2	Clinical Grade
Urine container	10 bottles	Medical Grade
Stool container	10 bottles	Medical Grade
Gloves	20 packs	Medical Grade
Syringes needle cutter	1	Medical Grade
Malaria ICT devices	1 pack	Clinical Grade
HCV (Ab) ICT Device	1 pack	Clinical Grade
Hbs Ag ICT Devices	1 pack	Clinical Grade
Typhoid ICT Devices	1 pack	Clinical Grade
Urine Pregnancy test device	1 pack	Clinical Grade
Widal test	1 set	Clinical Grade
RF Factor qualitative reagent	1 vial	Clinical Grade
Combat 10 (Urine analysis strips)	1 bottle	Clinical Grade
Tube rack	20	Lab Grade
Antibiotic Zone readers	2	Lab Grade
Chemistry Analyzer	2	Clinical Grade
Oximeters (Pulp)	2	Clinical Grade
Ox-meters	2	Clinical Grade
Normocap / Capnograph	2	Clinical Grade
Vital sign monitor	2	Clinical Grade
LMA	2	Medical Grade
Glucose-meters	2	Clinical Grade
Sphygmomanometer	2	Clinical Grade
Baby weighing machine	2	Clinical Grade
Hemocytometer	2	Lab Grade
Baby Blanket	5	Medical Grade
Baby Cart	4	Medical Grade
Baby Powder	2	Medical Grade
Baby Sheet	4	Medical Grade
Baby Weight Machine	2	Medical Grade
Bed Sheet	30	Medical Grade
Bedside Locker	2	Medical Grade
Bedside Screen	2	Medical Grade
Butterfly	50	Medical Grade
Cannula (14 G)	50	Medical Grade
Cannula (16 G)	50	Medical Grade
Cannula (18 G)	20	Medical Grade
Cannula (22 G)	20	Medical Grade
Cannula (20 G)	20	Medical Grade
Cannula (24 G)	20	Medical Grade
Cotton Roll	10	Medical Grade
Disposable Gloves Pack	25	Medical Grade
Drawsheet	4	Medical Grade
Dressing Pad	30	Medical Grade
E-N-T Set	4	Clinical Grade
Face Masks	100	Medical Grade
Flowmeter	3	Medical Grade
Foley's Catheter	8	Medical Grade
Forceps	15	Medical Grade
Glove Box	10	Medical Grade
Glycerine	20	Medical Grade
Hand Towel	10	General Purpose
Hand Wash Liquid	20	Medical Grade
Infusion Set	5	Medical Grade
Infusion Stand	5	Medical Grade
Kidney Tray	4	Medical Grade
Inoculation loop	10	Material: Made from metal or plastic Loop Volume: 1µl and 10µl Loop Diameter: 0.9mm for 1µl loops and 3.9mm for 10µl loops Length: Around 227mm long Sterility: Sterile and may be individually wrapped or packaged in bulk Handle: Some loops come with handles while others are designed for use with a holder Color: Plastic loops are yellow for 10µl, blue for 1µl
Bunsen Burner	10	Common size includes a 13mm diameter barrel and a height of around 145mm, with a base diameter of about 80mm
Incubator	2	Temperature range, temperature control, temperature uniformity and stability, and chamber capacity
Distillation assembly for distilled water	2	Includes a boiler, a condenser, and a collection flask
Glass slide	10 box	Measuring 75mm x 25mm (3" x 1") and about 1mm thick. Made of soda-lime glass or borosilicate glass
Gram Staining Set	2	Crystal violet (primary stain), Gram's iodine (mordant), a decolorizer (usually acetone ethanol), and safranin (counterstain)
Kits for Biochemical Tests (Oxidase, Catalase and Coagulase)	1 set	Reagents (oxidase reagent, hydrogen peroxide, plasma) Test tubes or slides Inoculation loops or swabs Positive and negative controls Detailed instructions

Remi R-8C BL R-8M: Max speed: 13000 RPM, Max RCF: 5070g, Max capacity: 4000ml

Centrifuge	2	MRC Lab Digital Centrifuge: Speed range 300-5000rpm, Max RCF 2350xg, Rotor capacity 6x15ml/10ml/7ml/5ml. MIKE Lab Centrifuge: Max speed 21000rpm, Max RCF 31061xg, Max capacity 4*100ml fixed angle rotor HIOVERLABS HIV-8M: Max speed 5250 RPM, Max RCF 3600g, Max capacity 400ml Remi R-4C Bench Top Centrifuge: Max speed 4400 RPM, Max RCF 2350g, Max capacity 200ml
Pipette Digital Different ranges (Thermo scientific)	5	Low Volumes (0-10 µL) Mid-Range Volumes (10-100 µL) High Volumes (100-1000)
Timer	5	A timing range of up to 99 hours, 59 minutes, and 59 seconds, timing accuracy of ± 1.5 seconds per day, and a resolution of 1 second
ESR Stand	5	Material (plastic, mild steel, or stainless steel), number of tube slots (typically 6 or 10), and design features for stability and ease of use
Spirit Lamp	5	Fuel: ethanol, methanol, or isopropyl alcohol Container Material: Can be glass (often soda-lime glass) or stainless steel Container Size: ranging from 100ml to 150ml Dimensions: height, around 65-100 mm and diameter, around 1.2-2.5 cm depending on the model Wick: A cotton wick draws the fuel to the flame Cap: A removable cap is used to extinguish the flame and prevent fuel evaporation Safety Features: May include a knurled screw for wick adjustment and a cap for extinguishing the flame
Table Lamp	5	adjustable arm, high color rendering (CRI of 90 or above), and dimmable LED lights
Boiler for instrument cleaning	3	Type: Electric instrument sterilizer/boiler, often made of stainless steel Function: Used for sterilization and disinfection of surgical or dental instruments Applications: Medical, dental, laboratory, and biotechnology/tissue culture settings Key Features: May include a thermostat and tray lifting arrangement Material: Stainless steel construction for durability and resistance to corrosion
Dry Oven for sterilization	2	A temperature range of ambient to 250-300°C, with temperature control and uniformity being critical factors. Chamber volume, material (often stainless steel), and the presence of forced air convection are also important considerations
Digital Scale (Pscn Sc/122/18)	1	
Dissection Box (Pscn Sc/122/18)	1	Forceps Scissors Cham Hook Dissecting Pins Dissecting Scissors Probe Tools: Scalpel Handle, Dissecting Needle, Dissecting probe, Dissection forceps, Instructors dissection kit, Magnifying glass, Ruler, Scalpel, Scalpel Blades, Scalpel handle No 4, Tissue Forceps, Fine point iris scissors, Forceps Stainless steel, Grooved Director, Mosquito Forceps, Pipette, Razor, BP Blade
Digital X-Ray Machine	1	(Toshiba model KXO-15E made in Japan) 300 MA
X-Ray Apparatus	1	Model DG-15F-4 Toshiba
X-Ray Tube	1	model TF-6TL-6
X-Ray Bucky Table	1	
X-Ray Scanner Fuji film	1	Fuji film
X-Ray Printer Fuji film dry pix 7000	1	Fuji film dry pix 7000
X-Ray Detector Chest Unit	1	
Viewer X-Ray Film	4	medical grade
Led Apron X-Ray Protector	2	medical grade/analytical grade
Cassette for Radiographic Film	2	(18x24 cm)
Cassette for Radiographic Film	2	(24x30 cm)
Cassette for Radiographic Film	2	(14x17 cm)
X-Ray Radiographic Film	18	(30x43 cm)
X-Ray Radiographic Film	20	(26x36 cm)
Sample Radiographic films of Different Anatomical Parts	20	Medical Grade made in Germany, UK, USA, or Equivalent
Digital Ultra Sono Graphic Diagnostic Imaging System	2	(Model DP2200plus made by Mindray) or Equivalent
Probe with Multi frequency for different types of examinations 3.5 MHz	2	Medical Grade made in Germany, UK, USA, or Equivalent
Electric Couch for Ultra Sonic examination	2	Medical Grade made in Germany, UK, USA, or Equivalent
Acoustic Gel (1 full Pack)	2	Medical Grade made in Germany, UK, USA, or Equivalent
Envelops for X-Ray Films	2000	Medical Grade made in Germany, UK, USA, or Equivalent
Stabilizer for Ultra Sound	2	Medical Grade made in Germany, UK, USA, or Equivalent
Sample Radiographic films of Different Anatomical Parts	60	Medical Grade made in Germany, UK, USA, or Equivalent
Oximeter (Pulp)	2	Normal finger pulse oximetry readings range from 95-100%, while pulpal oxygen saturation readings in vital teeth are often in the 75-85% range. This difference is likely due to the optical prop
Oxy-meter	2	Measurement range and accuracy for both SpO2 and pulse rate, as well as features like display type, power source, and additional functionalities like alarms and automatic shut-off
Normocap Capnograph	2	Medical Grade made in Germany, UK, USA, or Equivalent
Vital Signs monitor	2	Measurement ranges, accuracy, resolution, and response times for each parameter, as well as display characteristics, power source, and alarm functionality
Suction apparatus	2	Portable suction unit: size 38x17x28 5cm, weight 5 1kg Description (e.g. model Vario A.C, manufacturer Medela) Technical specifications: SUCTION MACHINE with pump - Power supply 230-240V/50Hz - Vacuum capacity 18 litres/min - Maximum depression -75kPa (-563mmHg) Vacuum is created by a plastic piston and cylinder system, with four vacuum-creating modules (Quattroflex™ technology). The membrane vacuum regulator permits accurate vacuum settings Double overflow-protection system (bottle and pump) Working temperature range +5 to +40°C
Laryngo-Scope	2	Types: Curved (Macintosh) Straight (Miller)
Different Types of Airways	6	Oropharyngeal Airway (OPA), Nasopharyngeal Airway (NPA), Endotracheal Tube (ETT), Tracheostomy Tube, Laryngeal Mask Airway (LMA), Cricothyroidotomy
Endotracheal Tubes	6	Types: Cuffed vs Uncuffed, Oral vs Nasal, Preformed Reinforced Double Lumen
Image Intensifier	2	spectral sensitivity, figure of merit (FOM), resolution, halo size, sensitivity, and signal-to-noise ratio (SNR)

Glucose meters	2	Accu check
Sphygmomanometers	2	Mercury Sphygmomanometers, aneroid Sphygmomanometers, and digital Sphygmomanometers
Propofol	2	B Braun
Baby Weighing machine	2	A maximum weight capacity (often 20 kg or 44 lbs), a graduated scale (often in 5g or 10g increments), a curved weighing platform or tray, and an LCD display for easy reading
Nerve Stimulator	2	A maximum weight capacity (often 20 kg or 44 lbs), a graduated scale (often in 5g or 10g increments), a curved weighing platform or tray, and an LCD display for easy reading
Basic standard surgical sets (10 Towel Forceps 5" 1 Kidney Tray 10" 5 Sponge Holding Forceps 9 5" 2 Rightangle Forceps, 1 Plain Dissecting Forceps 6" Fine, 1 Plain Dissecting Forceps 6" 1 Plain Dissecting Forceps 8" 1 Toothed Dissecting Forceps 6", 1 Toothed Dissecting Forceps 8" 1 Adson Diss. Forceps Plain 1 Adson Diss. Forceps Toothed 5 Mosquito Artery Forceps Str 5" 5 Mosquito Artery Forceps Cvd 5" 5 Artery Forceps Str 6" Fine 5 Artery Forceps Cvd 6" Fine 5 Artery Forceps Str 8" 5 Artery Forceps Cvd 8" 2 Allis Tissue Forceps 6" 2 Babcock Tissue Forceps 7" 2 Duval Tissue Forceps 8" 2 Lane Tissue Forceps 1 Denis Brown Intestinal Forceps 4 B P Handle # 3, 4 1 Needle Holder 6" 1 Needle Holder 8" 1 Mayo Scissors Str 7" 1 Mayo Scissors Cvd 7" 1 Metzenbaum Scissors Str 9" 1 Metzenbaum Scissors Str 7" 1 Metzenbaum Scissors Cvd 7" 1 Stitch Scissors 1 Dressing Scissors Str B/S 1 Lister Bandage Scissors 1 Aneurysm Needle 4 Probe 8" 1 Volkman Scissors 1 Watson Cheyne 1 MacDonald Elevator 1 Durham Dissector 1 Sinus Forceps 7" 1 Yankuer Suction Tube 2 Langenbeck Retractor S,L 1 Morris Retractor 2" 1 Balfour Abdominal Retractor 1 Long Blade Retractor 1 Travers Retractor 1 Senn Muller 1 Single Hook Retractor 1 Double Hook Retractor 1 Butter Fly Probe, 1 Instrument Box SS 20"X8"X5"	1	Medical Grade/Analytical Grade
Vascular Surgery Set Bulldog clamps DeBakey Vascular Clamp Castroviejo Needle Holder Rochester-ochsner Forceps Satinsky Vascular Clamp Scissors Vascular Clamp Clamp applying forceps DeBakey aortic Clamp Forceps Halsted Mosquito Forceps Mayo Scissors Potts Scissors	1	Medical Grade/Analytical Grade
Plastic surgery set (Scissors, Forceps, Retractors, Needle Holders, Scalpels, Sutures, Drapes, Suction Devices, Osteotomes, Chisels, Rasps, Gouges, Elevators, Hooks, Dissectors, Breast Retractors, Breast Spatulas/Dissectors, Nasal Rasps, Nasal Chisels, Dilators, Files, Skin Graft Boards, Markers, Mapping Pens)	1	Medical Grade/Analytical Grade
Peds surgery sets (retractors, forceps, scissors, and needle holders,)	1	Medical Grade/Analytical Grade
Corned Surg Diathermy multipurpose	1	Monopolar cutting might use 125 watts at 475 ohms, while bipolar coagulation might use 100 watts at 150 ohms
Antiseptic solutions	5	chlorhexidine, povidone-iodine, isopropyl alcohol, and hydrogen peroxide, Detol, Benzalkonium chloride
Surgical Table, attachments	1	Accessory rails, adjustable head and leg sections, and compatibility with various accessories like armboards and extension devices
Pulse oximere	3	Measurement ranges, accuracy, display features, power requirements, and environmental conditions for operation

Micro Surgical Instruments with Sterilizing trays (Micro Vannas scissors (straight and curved, ultra fine), micro forceps (ultra fine, various lengths), Castroviejo needle holders (straight and curved, ultra fine), and micro mosquito forceps, Perforated Tray)	1	Medical Grade/Analytical Grade
Surgical tubes	5	
Surgical Drape Set	1	Jackson-Pratt (JP) drains, Penrose drains, and Hemovac drains
	1	an anesthesia drape, foot drape, side adhesive drapes, a Mayo stand cover, and reinforced surgical gowns
Dressing Set	1	Kidney Dish 20 cm (8") - medium - Gallipot 150 ml - 6 oz - medium - Kocher artery forceps - straight - 16 cm - Dressing Forceps (Thumb) - 16 cm - English TOE dissecting forceps - plain - 14 cm - Mayo scissors - straight - 15 cm - Rampley sponge holding forceps - str - 18 cm - Instrument tray with lid 25 x 30 x 6.2 cm
Stainless Steel Box, 17x17x3cm	1	MEK PAKISTAN
Surgical scissor, Straight sharp/blunt 12-14cm	1	Surigicon Pvt Ltd, Jalal Surgical, Acheron Instruments, and Hans International
Kocher Forceps, Non teeth, Straight 12-14cm	1	Surigicon Pvt Ltd, Jalal Surgical, Acheron Instruments, and Hans International
Dissecting Forceps, Non teeth, 12-14cm	1	Surigicon Pvt Ltd, Jalal Surgical, Acheron Instruments, and Hans International
	1	Surigicon Pvt Ltd, Jalal Surgical, Acheron Instruments, and Hans International
Abscess/suture set	1	Types of sutures: Absorbable Sutures: Natural: Plain gut, Chromic gut Synthetic: Polyglactin 910 (Vicryl), Poliglecaprone 25 (Monocryl), Polydioxanone (PDS) Non-Absorbable Sutures: Synthetic: Nylon (Ethilon, Dermilon), Polypropylene (Prolene, Surgip Natural: Silk, Stainless steel
Stainless Steel Box 22x10x5cm	1	MEK PAKISTAN
Dissecting Forceps with teeth Straight, 12-14cm	1	Surigicon Pvt Ltd, Jalal Surgical, Acheron Instruments, and Hans International
Kocher Forceps Straight 14cm	1	Surigicon Pvt Ltd, Jalal Surgical, Acheron Instruments, and Hans International
Pean Forceps, Straight 14cm	1	Surigicon Pvt Ltd, Jalal Surgical, Acheron Instruments, and Hans International
Surgical Scissor, Curved, Sharp/blunt 12-14cm	1	Surigicon Pvt Ltd, Jalal Surgical, Acheron Instruments, and Hans International
Probe 14-16cm	1	Surigicon Pvt Ltd, Jalal Surgical, Acheron Instruments, and Hans International
Mayo-Hegar Needle Holder, 18cm	1	Surigicon Pvt Ltd, Jalal Surgical, Acheron Instruments, and Hans International
Scalpel Handle, No. 3,4 & 7	5	Surigicon Pvt Ltd, Jalal Surgical, Acheron Instruments, and Hans International
Basic Surgery Set	1	Scalpels, scissors, forceps (including Adson's and Allis), needle holders, clamps, and retractors
Stainless Steel Box, 25x10, 5x5cm	1	MEK PAKISTAN
Suture Material	25	Medical Grade/Analytical Grade
Scalpel Handle, No 4	1	Surigicon Pvt Ltd, Jalal Surgical, Acheron Instruments, and Hans International
Mayo-Hegar Needle Holder, 18cm	1	Surigicon Pvt Ltd, Jalal Surgical, Acheron Instruments, and Hans International
Surgical Scissor, Mayo Curved 14cm	1	Surigicon Pvt Ltd, Jalal Surgical, Acheron Instruments, and Hans International
Surgical Dissecting Scissors, Metzebaum, Curved 14cm	1	Surigicon Pvt Ltd, Jalal Surgical, Acheron Instruments, and Hans International
Farabeuf retractors, short	1	Surigicon Pvt Ltd, Jalal Surgical, Acheron Instruments, and Hans International
Artery Forceps, Halstead Non teeth, curve, 12cm	1	Surigicon Pvt Ltd, Jalal Surgical, Acheron Instruments, and Hans International
Kocher Forceps, with teeth, straight, hemostatic, 14cm	1	Surigicon Pvt Ltd, Jalal Surgical, Acheron Instruments, and Hans International
Probe, 14,5cm	1	Surigicon Pvt Ltd, Jalal Surgical, Acheron Instruments, and Hans International
Dissecting Forceps with teeth 14 cm	1	Surigicon Pvt Ltd, Jalal Surgical, Acheron Instruments, and Hans International
Dissecting Forceps no teeth 14 cm	1	Surigicon Pvt Ltd, Jalal Surgical, Acheron Instruments, and Hans International
Hemostatic Forceps (Chaput), 14cm	1	Surigicon Pvt Ltd, Jalal Surgical, Acheron Instruments, and Hans International
Hemostatic Forceps(Collin), 16cm	1	Surigicon Pvt Ltd, Jalal Surgical, Acheron Instruments, and Hans International
TowelClips (Backhaus), 10cm	1	designed with pointed tips/jaws and a ratchet locking system, enabling a secure grip and preventing the drapes from shifting
Gallipot Large + Small + Medium	1	Small Gallipot: Approximately 35ml capacity, with dimensions like 42mm x 30mm Medium Gallipot: Approximately 95ml capacity, with dimensions like 60mm x 40mm Large Gallipot: Approximately 280ml capacity, with dimensions like 90mm x 60mm
OT Lights Portable	1	LED BASED adjustable illumination, color temperature, and backup power
Emergency Crash trolley	2	Medical Grade/Analytical Grade
Proctoscope	2	Medical Grade/Analytical Grade
Dressing Set 12-14 cm	2	Medical Grade/Analytical Grade
Sterilizer	2	Medical Grade/Analytical Grade
Probe 14, 15cm	2	Medical Grade/Analytical Grade
Steam Inhaler Machine	2	Medical Grade/Analytical Grade
AMBUL Bag Adult and peds	2	Medical Grade/Analytical Grade
AMBUL Bag Mask	2	Medical Grade/Analytical Grade
Suction machine	2	Medical Grade/Analytical Grade
Dressing Drum	2	Medical Grade/Analytical Grade
Ventilator dummy/chart	2	Medical Grade/Analytical Grade
Laryngoscope set	2	Medical Grade/Analytical Grade
NG tube different sizes	3 each	Medical Grade/Analytical Grade
IV Lines different sizes	4 each	Medical Grade/Analytical Grade
Foley's Catheter different sizes	4	Medical Grade/Analytical Grade
Towel clips (Backhaus) 10cm	2	Medical Grade/Analytical Grade
Finger Pulse oximeter	2	Medical Grade/Analytical Grade
Emergency Tray	2	Medical Grade/Analytical Grade
Suctionizer machine	2	Medical Grade/Analytical Grade
Tourniquet	2	Medical Grade/Analytical Grade
Oxygen flow meter	2	Medical Grade/Analytical Grade
Defibrillator	2	Medical Grade/Analytical Grade
Stethoscope	2	Medical Grade/Analytical Grade
Blood pressure Apparatus	2	Medical Grade/Analytical Grade
CPR Dummy	2	Medical Grade/Analytical Grade
ETT tube different sizes	2	Medical Grade/Analytical Grade
Rebreather mask	2	Medical Grade/Analytical Grade
Venture mask	2	Medical Grade/Analytical Grade
Drup set	2	Medical Grade/Analytical Grade
Oropharyngeal airways different sizes	2	Medical Grade/Analytical Grade

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Suction catheter	2	Medical Grade/Analytical Grade
Oxygen Mask adult	2	Medical Grade/Analytical Grade
Syringe Pump	2	Medical Grade/Analytical Grade
Neck soft collar	2	Medical Grade/Analytical Grade
Neck hard collar philduphia	2	Medical Grade/Analytical Grade
ECG Machine	1	Medical Grade/Analytical Grade
Sphygmomanometer	10	Medical Grade/Analytical Grade
Stethoscope	10	Medical Grade/Analytical Grade
Pulse Oximeter	10	Medical Grade/Analytical Grade
Angiography Kit	2	Medical Grade/Analytical Grade
Angiography Catheters Set	2	Medical Grade/Analytical Grade
Thermometer	10	Medical Grade/Analytical Grade
Defibrillator	1	Medical Grade/Analytical Grade
Holter Monitor	2	Medical Grade/Analytical Grade
PIMC Balloon	2	Medical Grade/Analytical Grade
IABP Balloon	2	Medical Grade/Analytical Grade
Echocardiography Machine	1	Medical Grade/Analytical Grade
EIT Machine	1	Medical Grade/Analytical Grade
Auto Refractometer	1	Medical Grade/Analytical Grade
Lensometer	2	Medical Grade/Analytical Grade
Trial lens box	2	Medical Grade/Analytical Grade
Snellen's Vision Drum	4	Medical Grade/Analytical Grade
Trial frame	4	Medical Grade/Analytical Grade
Ophthalmoscope	2	Medical Grade/Analytical Grade
Retinoscope	2	Medical Grade/Analytical Grade
Headband magnifier	5	Medical Grade/Analytical Grade
Ishihara colour vision test plates	2	Medical Grade/Analytical Grade
Frisby test	2	Medical Grade/Analytical Grade
Loose prisms	2	Medical Grade/Analytical Grade
Maddox Rod	4	Medical Grade/Analytical Grade
Cross cylinders +/-0.5 & +/-1.00	4	Medical Grade/Analytical Grade
Keratometer	2	Medical Grade/Analytical Grade
Slit lamp	2	Medical Grade/Analytical Grade
Schiotz Tonometer	2	Medical Grade/Analytical Grade
Contact lens trial kit	2	Medical Grade/Analytical Grade
prisme bar	2	Medical Grade/Analytical Grade
lea chart	2	Medical Grade/Analytical Grade
RAF	2	Medical Grade/Analytical Grade
Bunsen Burner	4	Lab Grade
Plaster Spatula	4	Dental Lab Grade
Articulator	4	Dental Lab Grade
Vernier Callipers	4	Dental Lab Grade
Micro Motor	8	Dental Grade
Cement Spatula	4	Dental Lab Grade
Wax Knife	4	Dental Lab Grade
Duplicating Gel	4	Dental Lab Grade
Boxing Wax	4	Dental Lab Grade
Soft Wax	4	Dental Lab Grade
Hard Plaster	8	Dental Lab Grade
Finishing & Polishing Stone	4	Dental Lab Grade
Investment Material	4	Dental Lab Grade
Soft Plaster	4	Dental Lab Grade
Electro Plating Material	4	Dental Lab Grade
Modelling Wax	8	Dental Lab Grade
Dental Flask	4	Dental Lab Grade
Diagnostic Instruments	4	Dental Clinical Grade
Simplex Powder	4	Dental Lab Grade
Glass Slab	4	Lab Grade
Steel Ruler	4	Dental Lab Grade
Sand Paper	4	Dental Lab Grade
Sticky Wax Elfy	4	Dental Lab Grade
Trimmer	4	Dental Lab Grade
Wires	4	Dental Lab Grade
Zinc Phosphate Cement	4	Dental Grade
Wax Carver	4	Dental Lab Grade
Wall Mirror	4	General Purpose
Tray for Polishing	4	Dental Lab Grade
Vibrator	4	Dental Lab Grade
Polisher	4	Dental Lab Grade
Rubber Bowl	4	Dental Lab Grade
Composite Material	4	Dental Grade
Amalgam	4	Dental Grade
Gold (Luting and Filling)	4	Dental Grade
Artificial Teeth	4	Dental Lab Grade
Calcium Hydroxide Cement	4	Dental Grade
Cold Mold Seal	4	Dental Lab Grade
Gingival Marginal Trimmer	4	Dental Grade
Egg Shaped Burnisher	4	Dental Grade
Ball Ended Burnisher	4	Dental Grade
Amalgam Gun	4	Dental Grade
Plastic Instrument	4	Dental Grade
Articulating Paper	4	Dental Grade
Measuring Scale	4	Dental Grade
Scissors	4	Dental Grade
Placers	4	Dental Grade
Matrix Band + Retainer	4	Dental Grade

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Spirit Lamp	14	Lab Grade
Plugger	4	Dental Grade
Molar Forceps	4	Dental Surgical Grade
Periosteal Elevator	4	Dental Surgical Grade
Extraction Forceps	4	Dental Surgical Grade
Dentine Pins	4	Dental Grade
Dentine Drill	4	Dental Grade
Probe	4	Dental Clinical Grade
Carbide Burs Tissue	4	Dental Grade
Reamers (Hand)	4	Dental Grade
Compressor	4	Dental Lab Grade
Gic 2	4	Dental Grade
Heat Cure Powder	8	Dental Lab Grade
Heat Cure Liquid	8	Dental Lab Grade
Polishing Compound	8	Dental Lab Grade
Pumice Powder	8	Dental Lab Grade
Wire (0.7 mm)	4	Dental Grade
Paper points	4	Dental Grade
Gutta percha	4	Dental Grade
File k and H	4	Dental Lab Grade
Stainless Steel trimming	4	Dental Lab Grade
Denture Trimming Stones	4	Dental Grade
Air Turbine	4	Dental Grade
Air Motor	4	Dental Lab Grade
Impression trays for partial denture	4	Dental Lab Grade
Complete denture	4	Dental Lab Grade
Self Cure Liquid	4	Hanau or equivalent
Hanau Face Bow	4	Dental Clinical Grade
Dental Unit	4	Dental Clinical Grade
Dental Stools	4	Dental Grade
Hand Piece	4	Dental Lab Grade
Self-cure powder	50	Adjustable height, backrest (if applicable), footrest, and materials that resist chemicals and cleaning agents
Stools/Chairs	4	Medical grade digital
Haemometer		

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Package No. 04 Glassware etc

Sr	Items	Qty	Specifications
1	Beaker Graduated 100 ml (pyrex)	30	Diameter: 5cm, Height: 7cm, Graduations: Every 10ml Borosilicate glass (like Pyrex) for heat and chemical resistance
2	Beaker Graduated 250 ml (pyrex)	30	Typically has a cylindrical shape with a spout for pouring, and markings (graduations) indicating different volumes to allow for approximate measurements
3	Beaker Graduated 500 ml (pyrex)	30	typically has a cylindrical shape with a spout for pouring and is made from borosilicate glass or polypropylene
4	Graduated cylinder 10, 25, 50, 100, 500, 1000 ml (pyrex)	30 each	Dimension: Height: 32-36mm Outer Diameter: Around 25-30mm Materials: borosilicate glass
5	Flask Volumetric (pyrex) different size	50 each	Sizes including 10 mL, 25 mL, 50 mL, 100 mL, 250 mL, 500 mL, 1 L, and 2 L. Material Typically made of borosilicate glass
6	Flask Conical (different values) (pyrex)	50 each	a laboratory flask with a flat bottom, a conical body, and a cylindrical neck. They are typically made of borosilicate glass and come in various sizes, from 25ml to 6000ml
7	Burette Stand	10	consists of a stable base, a vertical rod, and a clamp to hold the burette
8	China Dish	10	shallow, round, flat-bottomed dish typically made of porcelain
9	Test Tube Holder (Psnr/Se/102/18)	20	Plastic, wood, stainless steel
10	Stand (Psnr/Se/122/18)	10	Polypropylene Size: 12mm 12 tube capacity
11	Flask Stand (Psnr/Se/122/18)	20	analytical Grade
12	Test tube stands different size	30	analytical Grade
13	Glass Rod	10	(Pyrex) Analytical Grade
14	Dropper	10	Plastic, glass,
15	Glass pipettes different size	100 each	analytical Grade
16	Volumetric Flask different size	50 each	analytical Grade
17	Reagent Bottle with dropper	50	analytical Grade
18	Desiccator	10	analytical Grade
19	TLC Apparatus	3	analytical Grade
20	Test tubes Glass Different size	500 each	analytical Grade
21	Plastic Test Tubes different size	500 each	analytical Grade
22	Gel Tubes	50	Analytical Grade
23	ESR tube	50	analytical Grade
24	Culture media bottle 500 and 1000 ml	20 each	analytical Grade
25	Petri dish different size	100 each	analytical Grade
26	Petri dish different size disposable	500 each	analytical Grade
27	Wire loops Iron	50	analytical Grade
28	Neubauer chamber	2	depth of 0.1 mm and a grid consisting of nine large squares, each with an area of 1 mm glass Analytical grade
29	Spill management kits	10	analytical Grade

Chemicals and Reagents

S/No	Equipments	Quantity	Specifications
	2,3,5-triphenyltetrazolium chloride	2	Analytical Grade
	5:5 diethyl Barbituric acid	2	Analytical Grade
	Acetic acid-thionyl chloride	2	Analytical Grade
	Acetic acid,	2	Analytical Grade
	Acetone	2	Analytical Grade
	Acetonitrile	2	Analytical Grade
	Agar agar	2	Analytical Grade
	Alphanaphthol	2	Analytical Grade
	Aluminum foil (60 meter pack)	2	Analytical Grade
	Ammonia	2	Analytical Grade
	Ammonium hydroxide	2	Analytical Grade
	Ammonium Sulfate	2	Analytical Grade
	APTT Reagent (Actin + CaCl ₂)	3	Actin + CaCl ₂ or equivalent
	Arabinose	2	Analytical Grade
	Ascorbic acid	2	Analytical Grade
	Atropine	2	Analytical Grade
	Bacterial Staining reagents	5	Analytical Grade
	Barium Chloride	2	Analytical Grade
	Beef extract	2	Analytical Grade
	Benedict reagent	1	Analytical Grade
	Blood Agar	2	Analytical Grade
	Bromo-Thymol Blue	2	Analytical Grade
	Bromocresol Blue	2	Analytical Grade
	Bromocresol Purple	2	Analytical Grade
	Carbofuchsin	2	Analytical Grade
	Carbon Tetrachloride	2	Analytical Grade
	Cedar Wood Oil	2	Analytical Grade
	Chel-3 Chloroform	2	Analytical Grade
	Chloramphenicol agar	2	Analytical Grade
	Chloroform	2	Analytical Grade
	Chromium Chloride	2	Analytical Grade
	Citric acid,	2	Analytical Grade
	Coconut Milk Agar	2	Analytical Grade
	Combat 10 (Urine analysis strips)	2	Analytical Grade
	Coomassie Brilliant (G-250)	2	Analytical Grade
	Copper sulfate	2	Analytical Grade
	Culture media (Blood agar)	2	Analytical Grade
	Culture media (CLED)	2	Analytical Grade
	Czapek dox solution agar	2	Analytical Grade
	Czapek yeast autolysate agar	2	Analytical Grade
	D- mannitol	2	Analytical Grade
	D- mannose	2	Analytical Grade
	D- melibiose	2	Analytical Grade
	D- sorbitol	2	Analytical Grade
	Dextrose	2	Analytical Grade
	Dichloran Chloramphenicol Peptone Agar	2	Analytical Grade
	Dichloran peptone agar	2	Analytical Grade
	Dichloromethane ethyl acetate	2	Analytical Grade
	DMSO	2	Analytical Grade
	DNA extraction Kits (Bacterial)	2	Molecular Grade
	DPPH	1	Analytical Grade
	ELISA tubes	2	Analytical Grade
	Electrolytes solution	2	Medical Grade
	ELISA kits for mycotoxins	2	Clinical Grade
	EMB agar	2	Analytical Grade
	Enzymatic digest of animal tissues	2	Analytical Grade

Eosin	2	Analytical Grade
Ethanol	5	Analytical Grade
Ethyl acetate (EtOAc)	2	Analytical Grade
Fehling Solution	2	Analytical Grade
Foline-Ciocalteu reagents	2	Analytical Grade
Formalin	2	Analytical Grade
Formic acid	2	Analytical Grade
Gelatin powder	2	Analytical Grade
Giemsa Powder	2	Analytical Grade
Giemsa/Leishman's Stain	2	Analytical Grade
Gluconate	2	Analytical Grade
Glucose Estimation Test	2	Analytical Grade
Glucose Phosphate	2	Analytical Grade
Glycerol	2	Analytical Grade
Hexane	4	Analytical Grade
Hydrochloric acid (HCL)	2	Analytical Grade
Hydrogen peroxide, H ₂ O ₂	2	Analytical Grade
Inositol	2	Analytical Grade
Inuline	2	Analytical Grade
Iodine Solution	2	Analytical Grade
K ₂ HPO ₄	2	Analytical Grade
KCl	2	Analytical Grade
Ketamine	2	Medical Grade
Kits for Biochemical Tests (Oxidase, Catalase and Coagulase)	2	Analytical Grade
Lactic acid	2	Analytical Grade
Lactophenol cotton blue	2	Analytical Grade
Lactose	2	Analytical Grade
Lead acetate	2	Analytical Grade
Lipid Estimation Test	2	Analytical Grade
MacConkey agar	2	Analytical Grade
Magnesium Sulfate	2	Analytical Grade
Malt Extract Agar (MEA)	2	Analytical Grade
Maltose	2	Analytical Grade
Manganese Sulfate	2	Analytical Grade
Mercuric chloride	2	Analytical Grade
Methanol	2	Analytical Grade
Methyl - B - Cyclodextrin	2	Analytical Grade
Methylene blue	2	Analytical Grade
Microbiological media	2	Analytical Grade
Muscle relaxant drug	2	Medical Grade
Na 5:5- diethyl barbiturate	2	Analytical Grade
Na ₂ HPO ₄	2	Analytical Grade
NaOCl	2	Analytical Grade
Neogen Reagents	2	Neogen or equivalent
Nessler's Reagent	2	Analytical Grade
Nitric Acid	4	Analytical Grade
Nutrient Agar	2	Analytical Grade
Nutrient Broth	2	Analytical Grade
O- Methoxynamaldehyde and thyme	2	Analytical Grade
Paraamino di methyl aniline mono-Chloride (Oxidase reagent)	2	Analytical Grade
Pentothal	2	Medical Grade
Peptone	2	Analytical Grade
Petroleum ether	2	Analytical Grade
Phenolphthalein	2	Analytical Grade
Phosphoric Acid	2	Analytical Grade
Photato Dextrose Agar	4	Analytical Grade
Platelet Diluent	2	Analytical Grade

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Potassium Hydroxide	2	Analytical Grade
Potassium Iodide	2	Analytical Grade
Potassium Nitrate	2	Analytical Grade
Potassium Phosphate	2	Analytical Grade
Potato dextrose agar	2	Analytical Grade
Potassium hydroxide	2	Analytical Grade
Propionic acid	2	Medical Grade
Propofol	2	Analytical Grade
Protein Estimation Test	2	
PT reagent (Innovine)	3	Inn ovine or equivalent
Red Blood Cell Diluent	2	Analytical Grade
RF Factor qualitative reagent	2	Analytical Grade
Rhamnose	2	Analytical Grade
Ribose	2	Analytical Grade
Sabouraud dextrose agar (SDA)	2	Analytical Grade
Sabouraud dextrose broth (SDB)	2	Analytical Grade
Sabraud Dextrose agar	2	Analytical Grade
Saccharose	2	Analytical Grade
Sefranin	2	Analytical Grade
Sodium acetate	2	Analytical Grade
Sodium bisulfite	2	Analytical Grade
Sodium carbonate	2	Analytical Grade
Sodium Citrate Tubes	2	Analytical Grade
Sodium hydroxide	4	Analytical Grade
Sodium Nitrate	2	Analytical Grade
Sorbitol	2	Analytical Grade
Staining Buffer	1	Analytical Grade
Starch powder (soluble)	2	Analytical Grade
Sucrose	2	Analytical Grade
Sulphuric acid	4	Analytical Grade
Toluene	2	Analytical Grade
Trifluoroacetic acid (TFA) of Riedel-de Haen	2	Riedel-de Haen or equivalent
Tryptone	2	Analytical Grade
Tryptophane	2	Analytical Grade
Tween 20	2	Analytical Grade
Tween-80	2	Analytical Grade
Urea	2	Analytical Grade
WBC Diluent	2	Analytical Grade
Widal test	2	Analytical Grade
Yeast extract sucrose agar	2	Analytical Grade
Zinc chloride	2	Analytical Grade
Benedicts Reagent	1	Analytical Grade
PT reagent	3	Innovine or equivalent
APT Reagent	3	Actin + CaCl ₂ or equivalent
Giemsa/Leishman's Stain	1	Analytical Grade
Staining Buffer	1	Analytical Grade
Bacterial Staining reagents	2	Analytical Grade
Bacterial Staining kits	5	Analytical Grade
Dichloran Chloramphenicol Peptone Agar	2	Analytical Grade
Sabouraud dextrose agar (SDA)	2	Analytical Grade
Malt Extract Agar (MEA)	2	Analytical Grade
Potato dextrose agar	4	Analytical Grade
Czapek yeast autolysate agar	2	Analytical Grade
Czapek dox solution agar	2	Analytical Grade
Coconut Milk Agar	2	Analytical Grade
Yeast extract sucrose agar	2	Analytical Grade
Sabouraud dextrose broth (SDB)	2	Analytical Grade
Dichloran peptone agar	2	Analytical Grade
Chloramphenicol agar	2	Analytical Grade
Ethanol	2	Analytical Grade

Methanol	2	Analytical Grade
Formic acid	2	Analytical Grade
Dichloromethane ethyl acetate	2	Analytical Grade
O- Methoxynamaldehyde and thyme	2	Analytical Grade
Hydrochloric acid (HCL)	2	Analytical Grade
Methyl - B - Cyclodextrin	2	Analytical Grade
Ammonia	2	Analytical Grade
Ammonium hydroxide	2	Analytical Grade
Sodium bisulfite	2	Analytical Grade
Propionic acid	2	Analytical Grade
Chloroform	2	Analytical Grade
Hexane	4	Analytical Grade
NaOCl	2	Analytical Grade
Tween 20	2	Analytical Grade
Trifluoroacetic acid (TFA)	2	Riedel-de Haen or equivalent
Acetonitrile	2	Analytical Grade
Acetone	2	Analytical Grade
Acetic acid-thionyl chloride	2	Analytical Grade
Acetic acid	2	Analytical Grade
Sefranin	2	Analytical Grade
Carbofuchsin	2	Analytical Grade
Giemsa Powder	2	Analytical Grade
Lactophenol cotton blue	2	Analytical Grade
Sodium carbonate	2	Analytical Grade
Methylene blue	2	Analytical Grade
Glucose Phosphate	2	Analytical Grade
Alphanaphthol	2	Analytical Grade
Potassium Hydroxide	2	Analytical Grade
Peptone	2	Analytical Grade
Lead acetate	2	Analytical Grade
Gelatin powder	2	Analytical Grade
Paraamino di methyl aniline mono-Chloride	2	Analytical Grade
Nutrient Broth	2	Analytical Grade
Agar agar	2	Analytical Grade
MacConkey agar	2	Analytical Grade
EMB agar	2	Analytical Grade
Sabraud Dextrose agar	2	Analytical Grade
Copper sulfate	2	Analytical Grade
Tween-80	2	Analytical Grade
Potassium Phosphate	2	Analytical Grade
Manganese Sulfate	2	Analytical Grade
Magnesium Sulfate	2	Analytical Grade
Foline-Ciocalteu reagents	2	Analytical Grade
D- sorbitol	2	Analytical Grade
Rhamnose	2	Analytical Grade
Arabinose	2	Analytical Grade
D- melibiose	2	Analytical Grade
Glycerol	2	Analytical Grade
D- mannose	2	Analytical Grade
Ribose	2	Analytical Grade
Saccharose	2	Analytical Grade
Inuline	2	Analytical Grade
Gluconate	2	Analytical Grade
Sorbitol	2	Analytical Grade
Mercuric chloride	2	Analytical Grade
Barrium Chloride	2	Analytical Grade
Neogen Reagents	2	Neogen or equivalent
ELISA kits for mycotoxins	2	Clinical Grade
Microbiological media	2	Analytical Grade
Electrolytes solution	2	Medical Grade
Ketamine	2	Medical Grade

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Pentothal	2	Medical Grade
Propofol	2	Medical Grade
Muscle relaxant drug	2	Medical Grade
DPPH	1	Analytical Grade
Hydrogen peroxide, H ₂ O ₂	2	Analytical Grade
Ethyl acetate (EtOAc)	2	Analytical Grade
Citric acid	2	Analytical Grade
Lactic acid	2	Analytical Grade
Ammonium Sulfate	2	Analytical Grade
Chromium Chloride	2	Analytical Grade
5:5 diethyl Barbituric acid	2	Analytical Grade
Na 5:5- diethyl barbiturate	2	Analytical Grade
Enzymatic digest of animal tissues	2	Analytical Grade
Beef extract	2	Analytical Grade
KCl	2	Analytical Grade
Starch powder (soluble)	2	Analytical Grade
Bromocresol Purple	2	Analytical Grade
Dextrose	2	Analytical Grade
Nessler's Reagent	2	Analytical Grade
Bromo-Thymol Blue	2	Analytical Grade
H ₂ SO ₄	2	Analytical Grade
Bromocresol Blue	2	Analytical Grade
Phenolphthalein	2	Analytical Grade

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Potassium Iodide	2	Analytical Grade
Nitric Acid	2	Analytical Grade
Potassium Nitrate	2	Analytical Grade
Benedict powder	2	Analytical Grade
Sodium acetate	2	Analytical Grade
Eosin	2	Analytical Grade
DMSO	2	Analytical Grade
Sodium Nitrate	2	Analytical Grade
Coomassie Brilliant (G-250)	2	Analytical Grade
Phosphoric Acid	2	Analytical Grade
K ₂ HPO ₄	2	Analytical Grade
Na ₂ HPO ₄	2	Analytical Grade
NaH ₂ PO ₄	2	Analytical Grade
Toluene	2	Analytical Grade
Zinc chloride	2	Analytical Grade
Sucrose	2	Analytical Grade
2,3,5-triphenyltetrazolium chloride	2	Analytical Grade
Maltose	2	Analytical Grade
Lactose	2	Analytical Grade
Urea	2	Analytical Grade
Tryptone	2	Analytical Grade
Tryptophane	2	Analytical Grade
D- mannitol	2	Analytical Grade
Inositol	2	Analytical Grade
Chemicals	2	Molecular Grade
DNA extraction Kits (Bacterial)	2	
Ethanol absolute	1	Sigma, Smart Lab , Oxoid
Chel-3 Chloroform	2	Sigma, Smart Lab , Oxoid
Sodium Hydroxide	1	Sigma, Smart Lab , Oxoid
Iodine Solution	1	Sigma, Smart Lab , Oxoid
Sodium Hydroxide	1	Sigma, Smart Lab , Oxoid
Cedar Wood Oil	1	Sigma, Smart Lab , Oxoid
Fehling Solution	1	Sigma, Smart Lab , Oxoid
Formalin	1	Sigma, Smart Lab , Oxoid
Sulphuric Acid	1	Sigma, Smart Lab , Oxoid
Carbon Tetrachloride	1	Sigma, Smart Lab , Oxoid
Hydrochloric Acid	1	Sigma, Smart Lab , Oxoid
Bacterial sample (Colonies of Gram +ve and Gram -ve bacteria)	1 for each category	ATCC samples
Petri dishes disposable	5 boxes	Typically made of polystyrene and come in various sizes, commonly 60mm and 90mm in diameter.
Macconkey Agar	1 kg	Sigma, Oxide, Smart Lab
Blood Agar	1 kg	Sigma, Oxide, Smart Lab
Nutrient Agar	1 kg	Sigma, Oxide, Smart Lab
Glucose Estimation Test	2 set	Fasting Blood Glucose Postprandial Glucose OGTT
Lipid Estimation Test	2 set	Total Cholesterol HDL Cholesterol (High-Density Lipoprotein) LDL Cholesterol (Low-Density Lipoprotein) Triglycerides
Protein Estimation Test	2 set	
Stained slides of common micro organism	5 for each micro-organism	Stain types: Gram stain, Acid-fast stain, Simple stain, Capsule stain, Endospore stain, Negative stain.
PT reagent	2 packets	Analytical Grade
Giemsa/Leishman's Stain	2 bottles	Analytical Grade
Staining Buffer	2 liters	Analytical Grade
Quartz cuvette	4	190-2500 nm for UV grade analytical grade
Plastic cuvette	4 boxes	Analytical Grade

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Lines and Cottons/Makintosh and Appreal

S/No	Equipments Names	Quantity	Specifications
	Face towels	10	Size: 30cm x 30cm Materials: 100% cotton Weight: 500gm Color: white
	Sponge towels	10	made from absorbent materials like viscose and/or cotton, and may feature a 3D design with loops or ridges to increase surface area for faster drying. Color: white Green
	Bath towels	5	made of 100% cotton, bleached white Size: Common sizes include: 30 x 60 inches 24 x 48 inches 20 x 40 inches Weight: 600 to 700 grams.
	Pillows	5	Waterproof inner lining, breathable outer cover, and a comfortable filling like fiber puff.
	Bedsheet large	6	Materials: made from durable, easy-to-wash fabrics like polycotton or microfiber. Standard Hospital Beds: 36 x 80 inches is a common size for standard hospital beds.
	Drawsheets	3	Flat Disposable Draw Sheets Surgical Draw Sheets. WendyLett Draw Sheets
	Pillow covers	5	typically made from materials that prioritize hygiene, durability, and ease of cleaning, often including disposable non-woven fabrics for single-use applications or reusable options like 100% cotton.
	Blankets	3	typically made from soft, durable, and easily washable materials like cotton or fleece, and are often treated to be hypoallergenic to minimize skin irritation. Common sizes include 60x90 inches
	Makintosh	10	Material: Primarily made of rubber or a PVC plastic. Waterproof: Designed to prevent fluids from passing through, protecting the underlying surface. Durability: High breaking and tearing strength, ensuring long-lasting use. Sterilization: Can be sterilized Width: 90 cm and 110 cm Colors: red/blue, red/green, or red/red Thickness: 3mm thickness.
	O.T dress	5	Typically made of comfortable, durable, and fluid-resistant materials like cotton or polyester blends, and are designed to withstand the demands of surgical procedures.
	Apron	5	Material: Polyethylene (PE) Nitrile Rubber Liquid Proof and Stain Resistant Dimensions: range from 70-90 cm Color: white, blue
	Gown	5	Types: surgical gowns Isolation gowns Non surgical gowns
	Disposable cap	100	made of non-woven polypropylene (PP) material, and are designed to be lightweight, breathable, and comfortable for extended wear. Sizes: 18", 19", 21", 24" Color: blue, white, green
	Disposable mask	100	
	Lab coat	20	material (cotton, polyester-cotton blend, or flame-resistant material), length (at least knee-length), and closure type (snaps for quick removal in case of spills).

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Lab Equipments

S/N	EquipmentsName	Quantity	Specifications / Grade (or equivalent)
1	Water Bath	7	(temperatures range 30°C to 80°C), CSA and TUV approved, Minimum Height 5 inches, Width 7.5 inches; Depth: 8.75"
2	Microscope	1	BK-1301 or equivalent
3	Microscope	1	Microscope M70003D Observation from view binocular Compound microscope 40X-1000X magnification, Nosepiece: Quadruple, Mechanical Tube Length: 6-5/16" (160mm), Heads: five binocular anti-mould viewing heads inclined at 45 degree, Interpupillary Distance: 2-3/16" - 3-0" (55 - 75mm), Eyepieces: WF10X, P16X, Achromatic Objectives: 4X, 10X, 40X (spring), 100X (spring, oil), Stage Dimensions: 5-1/2"x 5-1/2" (140x140mm), Stage Traveling Range: 2-3/4"x 1-3/4" (70x45mm) Focusing Range: 1-3/16" (30mm), Division of Fine Focusing: 0.0000787" (0.002mm) Abbe Condenser: NA=1.25 with rack and pinion focusing control Magnification: 10x-50x, Lens: Single convex lens, Light Source: Natural or external light, Stage: Basic platform for specimens, Focus: Manual adjustment.
4	Training Microscope	4	100X (spring, oil), Stage Dimensions: 5-1/2"x 5-1/2" (140x140mm), Stage Traveling Range: 2-3/4"x 1-3/4" (70x45mm) Focusing Range: 1-3/16" (30mm), Division of Fine Focusing: 0.0000787" (0.002mm) Abbe Condenser: NA=1.25 with rack and pinion focusing control Magnification: 10x-50x, Lens: Single convex lens, Light Source: Natural or external light, Stage: Basic platform for specimens, Focus: Manual adjustment.
5	Simple light microscope	10	Electronic balance digital top loading, One single block non-breakable, Readability: 0.01gm, Capacity: 3000gm at least, piece counting function built in, overload protection.
6	Weight Balance	1	Electronic balance digital top loading, One single block non-breakable, Readability: 0.01gm, Capacity: 3000gm at least, piece counting function built in, overload protection. Eyepiece: WH10X/22mm and WH25X/9 Objectives: infinity Plan Achromatic objective 4X, 10X, 40X (spring), 100X (spring, oil) Focusing: low position coaxial focus system Mechanical Stage: 7.1"x5.9" (180mm x 150mm) Stage Traveling Range: 3"x 2" (75x50mm) Condenser: N.A. 1.25, swing with iris diaphragm & filter Illumination: Kohler, halogen 12V/20W Power Supply: 85V-230V wide Camera Specifications: Pixel Size: 2.2 Resolution: 5.1MP Compatibility: Windows (32/64 bit) 10, Mac OSX, Linux
7	Light microscope	2	LED for display
8	Thermocyclers	1	Gradient Thermal Cycler Sample Capacity: 0.2mL tubes: single (96 wells), dual (2 x 48wells) or triple (3 x 32 wells) block Programmable Temperature Range: 4°C to 99.9°C Temperature Accuracy/Uniformity: ±0.5°C/±0.5°C Gradient temperature range: 30°C to 99°C Temperature of 6-segment blocks can be set independently. Programable lid temperature Temp increments/decrements, Time increments/decrements, Password protected programs, Communication: USB and RS232 ports
9	Litium Battery	1	24V 100Ah battery, Lithium (Lithium non phosphate) cells High energy density, space saving. Life cycle: 5000 or above, Fast charge capability, High Quality Integrated Battery Manage System (BMS) to ensure battery safety and reliability. LED
10	Ultra Centrifuges	1	High Speed Mini Centrifuge Maximum speed: 15000rpm, increment: 100rpm Maximum RCF: 15100*g, increment: 100*g Capacity: 12 x 1.5 / 2 ml or more, rotors included Driving Motor: Brushless DC motor Timer 30 seconds -99 minutes-HOLD, continuous operation, Door interlock; Over-speed detector; Over-temperature detector; Automatic internal diagnosis, Power requirements: Single-phase, 220V, Speed/RCF switch; Pulse operation; Processing display; Fully autoclavable Aluminum alloy rotor with high mechanical strength
11	Electrophoresis System	1	Horizontal Gel Electrophoresis Unit Dimension 27 x 17.5 x 10cm (LxWxH), Silicone rubber, UV Transparent whole unit included lid, easy lid removal, Run up to 40 samples at once complete system with UV Tray 10 x 15 cm, one Comb for 15 samples thickness 1.00 mm and one Comb for 20 samples thickness 1.00 mm Vertical Autoclave Digital multi-Process Controlled, Sterilization temperature 121°C, heating temperature 45-104°C, warming temperature 45-95°C, max operating temperature 0.25Mpa, digital display, Water level sensor, current leakage breaker, lid interlock, over heating prevention, over pressure prevention, over temperature sensor detection, safety
12	Autoclave	2	Hot Plate with Magnetic Stirrer
13	Heating and Magnetic Stirrer (1-Plate)	2	500ml capacity, 1600 stir speed, 250 oC maximum temperature

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		Specifications
		Temperature Range Ambient +5° to 75°C
		Temperature Accuracy ±0.25°C
		Temperature Uniformity ±0.25°C
		Temperature Increments ±0.1°C
		Temperature Stability ±0.1°C
		Timer 1 min. to 48 hours / continuous
		Chamber Material Stainless Steel (316)
		Electrical 120V or 230V, 50-60Hz
14	Incubator	Power Consumption 40L: 420W / 70L: 520W / 130L: 670W
		Laminar Flow Hood
		LED Digital Display, HEPA filter with efficiency of 99.997% at 0.3 micro, Disposable, non-washable Polyester fiber pre-filter, <3.5 Granule / L for >0.5 µm, <60db noise level, 0.3-0.5 m/s airflow velocity, air speed adjustable, <5 µm vibration level, Fluorescent Lamp, UV Lamp, Light, Tempered glass, no less than 5mm anti UV Front Window ad side panel, Stainless steel Worktable Material, Work Area Size (120cm * 60cm * 60cm (W*D*H)), Main Body and Base Stand Construction of Adopting Cold-roll steel Plate with corrosion-proof coating, Water and Gas Tap, UV, Light, Base Stand, Power Supply: 220V, 50Hz, along with necessary cables and accessories
15	Laminar flow cabinet	
16	Rotary Shaker	Mechanical orbital Shaker 100-350 RPM shaking speed range, 10mm linear action
		Vortex Mixer
17	Vortex Mixer	Vibrating motion continuously analog or digital dial speed control Electronic speed regulation 0 - 3000 rpm, Vibration orbit 4.5 mm, operating mode touch, continuous, high stability, Operated on 220V
		Features:
		Horizontal thick wall heat resistant Duran glass boiled fitted with 3 KW chromium heater.
		High efficiency coil condenser ensures low temperature, high output quality distillate of conductivity 3 to 4µs/cm
		Compact construction suitable for bench and wall mounting.
		Screwthread connectors enable easy fitting or removal of hose safely.
		Built in constant level device with Schott Vendura - Nova valve for drainage provides easy descaling without dismantling
		Safety thermostat built into the heater protects the water still in the event of water supply failure and automatically resets when the water supply is restored
		Specifications
		Capacity: 4litre/hour
		Power: 220VAC, 50/60Hz
18	Water distillation apparatus	
19	Microscope	M70003D or equivalent
		Micropipettes
		0.2-2.0µL, 1-10µL, 2-20µL, 20-200µL, 100-1000µL, 1 to 10 ml
		Graduation (0.002, 0.02, 0.02, 0.2, 2.0 respectively)
		Grease-free sealing system
		Clip-tip ejector for easy dismantling and secure grip
20	Micropipette set	
		Microwave Oven
		Capacity: at least 20 Litre
		Inside clearance of at least 9 inches for flasks
		Digital display with digital control
21	Microwave	
		Mini Centrifuge
		Max. Speed 6000rpm,
		Two easy change, tool-free rotors: Six-place standard rotor for 1.5/2mL tubes, Eight-place strip rotor for two 0.2mL tube strips or 16 single tubes
		Six 0.2mL and six 0.5mL adapters for customized use
22	Small Centrifuge	Complete unit with rotors

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Multiskan Sky Microplate Spectrophotometer with Touch Screen without Cuvette +
µDrop Plate

(Note : Multiskan Sky can be use as Photometer, UV / VIS Spectrophotometer &
Microplate ELISA Reader with shaking & Incubation

Specifications :

Wavelength selection : Monochromator
Light source : Xenon flash lamp
Wavelength range : 200-1000 nm with 1 nm steps
Read-out range : Up to 3 Abs
Bandwidth : <2.5 nm
Linearity @ 450 nm* : 0-2.5 Abs, 2%
Accuracy @ 450 nm* : 1.0% + 0.003 Abs (0-2.0 Abs), 2.0% (2.0-2.5 Abs)
Precision @ 450 nm* : SD < 0.003 Abs or CV < 1.0%
Plates : 96- and 384-well plates
Measurement speed (from A1 back to A1) : 6 seconds with 96-well plate 10 seconds with
384-well plate
Plate shaking : Linear
Spectral scanning speed : 10 seconds from 200-1000 nm with 1 nm steps
Incubation range : From ambient + 2°C to 45°C
User interfaces : Stand-alone use 7 in. touch-screen display
PC control : SkanIt software
Connections : 1 USB B port for PC
1 Ethernet port
3 USB A ports for devices (USB memory device and Wi-Fi dongle)

Spectrophotometer

2

23

Colony Counter

24

Dimensions (H x W x D) : 265 x 205 x 115 mm, 10.4 x 8.1 x 4.5 in.
Type : Manual or digital, Display : LED/LCD, up to 999+ counts, Counting Method: Touch
sensitive probe with beep/light signal, Magnification: 1.7x to 3x (optional lens),
Illumination : LED or fluorescent backlight, Plate Size : Compatible with 90-100 mm Petri
dishes

pH meter
Benchtop pH/mV/°C/°F Meter
Standard laboratory pH meter, 1 to 3 points calibration, automatic temperature
compensation, Accuracy : 0.01pH
pH
Range : -1.00-15.00pH
Accuracy : ±0.01pH
Resolution : 0.01pH
Calibration Points : 1 to 3 points
Calibration Solutions : USA (pH 4.01/7.00/10.01) or NIST (pH 4.01/6.86/9.18)
Temperature Compensation : 0-100°C, 32-212°F
mV
Range : -1000-1000mV
Accuracy : ±1mV
Resolution : 1mV
Temperature
Range : 0-105°C, 32-221°F
Accuracy : ±1°C
Resolution : 0.1°C
Calibration Range : Measured value ±10°C
Temperature Units : °C or °F
Others
Hold Function : Manual or Automatic
Power Off : Manual or Automatic
Display : LCD

pH measuring device

3

25

Refrigerator (1-25 °C)

2

Power Requirements : DC, using AC adapter, 220VAC
Refrigerator
Capacity : at least 300 litres, with at least 90 litre freezer compartment
Voltage : 125-260V
Low Voltage operation
Freezer Temperature : -20°C
Refrigerator Temperature : 5°C
Storage Period in Event of Power Failure (h) : 100 Hours

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laptop

1

MacBook Air 15", Apple M4 chip with 10-core CPU, 10-core GPU, 16-core Neural
Engine, 32GB unified memory, 1TB SSD storage, Up to 18 hours battery life1, Touch ID,
Silver Color, power adapter 70 W, USB C power adapter, Backlit Magic Keyboard with
Touch ID - US English

27

		Specifications
28	Microcentrifuge with temperature control	Speed 200 to 16,000 rpm
		Max RCF: 24,325 xg
29	Digital ultrasonic cleaner	Max Capacity: 4 x 250ml
		Temp. Range: -20°C to 40°C (-K only)
30	Flame Photo Meter	Electrical: 120V, 60Hz
		Digital display for timer and temperature settings, ultrasonic frequency (typically 40kHz), tank capacity (ranging from 0.6L to 25L or more), and adjustable heating temperature (often up to 80°C)
31	Heating and Magnetic Stirrer (1-Plate)	Potassium (K) $\leq 0.004 \leq 0.156$, Sodium (Na) $\leq 0.008 \leq 0.184$, Lithium (Li) $\leq 0.015 \leq 0.104$, Calcium (Ca) $\leq 0.050 \leq 2.00$, Barium (Ba) $\leq 0.044 \leq 6.03$, Reproducibility $\leq 2\%$, Response Time ≤ 8 seconds, Sample Uptake Volume (ml) ≤ 6 ml/minute, Printer/Integral Thermal Printer – Optional, USB, Colour LCD Touch Screen display, Languages English, Gases LPG, Natural Gas, Propane Butane Weight 8Kgs
	Heating and Magnetic Stirrer (4-Plate)	range from room temperature to 550°C, with a stirring speed of 100-1500rpm and a heating plate size of 120 x 120 mm or 180 x 180 mm. Digital Display automatic
32	Hot Air Oven	range from room temperature to 550°C, with a stirring speed of 100-1500rpm and a heating plate size of 120 x 120 mm or 180 x 180 mm. Digital Display automatic
		Range: 5°C above ambient to 250°C, with some ovens reaching 300°C or 400°C.
33	Ultra Centrifuges	Accuracy: Typically $\pm 1^\circ\text{C}$ or $\pm 2^\circ\text{C}$.
		Uniformity: Typically $\pm 1^\circ\text{C}$ or $\pm 2^\circ\text{C}$. with digital display and 220V, single-phase, 50 Hz
34	Antibiotic Zone readers	Speed ranging from 60,000 RPM and above with digital display and smart autostop option
		Accuracy: 0.01 mm to 0.2 mm, ensuring precise measurements 220 V, Integrated illumination systems, 0 to 80 mm
35	Computer System for labs	Core i7, 13 Generation, 1TB SSD, 64GB RAM, 8GB Graphics Card, 27 inch LED, Keyboard, Mouse with pad
	Split wall mount Inverter AC's 1.5 ton including installation	Latest Models, for Temperature and humidity control, airflow, and the type of AC system suitable for the lab's needs.

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