| **S#** | **Name of Items** | **Make** | **Unit Rate** |
| --- | --- | --- | --- |
|  | 280-UV Monitors Chart Recorder / Printer for Fraction collector |  |  |
|  | 7-Segment Display LCS-10012UY11 |  |  |
|  | 96 well plate for cell culture & biochemical assays |  |  |
|  | ACCU-CLiX Original Lancet (lORiS)(Blood pricking needles) |  |  |
|  | Aldrich® glass thermometer well # |  |  |
|  | Aluminum foil |  |  |
|  | Amylograph – E (Bench Type) |  |  |
|  | Analog multi meter |  |  |
|  | Analytical balance |  |  |
|  | Antibiotic dispenser |  |  |
|  | Applicator for TLC |  |  |
|  | Autoclave (5 liters automatic (digital) Made in UK / Germany /Japan) |  |  |
|  | Autoclave China 30Litre or equivalent |  |  |
|  | Autoclaving Jar |  |  |
|  | Axygen® 0.6mL MaxyClear Snaplock Microcentrifuge Tube |  |  |
|  | Barometer |  |  |
|  | Blood Pressure apparatus wrist and Digital with stethoscope |  |  |
|  | Breadboard Power Supply Trainer |  |  |
|  | Butyrometer |  |  |
|  | Cable Tester |  |  |
|  | Camera Lucida for mixing the line drawing of specimen |  |  |
|  | **Capacitors**   * 10µf 50v * 1µf 50v * 50µf 50v * 100µf 50v |  |  |
|  | Centrifuge machine multipurpose scan speed model 1580 MGR labogen |  |  |
|  | Centrifuge tube 15 ml |  |  |
|  | Centrifuge tube 50 ml |  |  |
|  | **Circulation Chiller DL-400 + Rotary Evaporator R-1001-VN + Circulating Water Jet Flow Vacuum Pump SHB-III** |  |  |
|  | Clamp Holder (vion stand) |  |  |
|  | Colony Counter ( Brand Name, Rocker/ Model # 175200-11(22)) Made in Taiwan / China / Germany |  |  |
|  | Compound Microscope (Leika /Nikon /Swiss ) |  |  |
|  | Condenser machine |  |  |
|  | Conductivity meter |  |  |
|  | Coolant for Electrophoresis |  |  |
|  | Crimping Tools |  |  |
|  | Deep Level Transient Spectroscopy |  |  |
|  | DG535 Digital delay/pulse generator (with GPIB) |  |  |
|  | Diamond cutting blade 7"  (8" Dia) German/England |  |  |
|  | Digital Balance 0.1mg- 1000gms |  |  |
|  | Digital Dry Baths/Block Heater |  |  |
|  | Digital ECG Machine |  |  |
|  | Digital Electrical Balance 0.1 gm. to 300 gm. (Korea) |  |  |
|  | Digital Multi meter |  |  |
|  | Digital Oscilloscope Dual Channel |  |  |
|  | Digital Thermometer |  |  |
|  | Digital Ultrasonic Bath with Basket (10 Litre) Powersonic, - UB-410  Dimensions: Bath Dimensions (LxDxH mm): 300 x 240 x 150, External Dimensions (WxDxH mm): 5010 x 275 x 275, Weight: 9 kg, Capacity 10 litr, Power requirements: 500W |  |  |
|  | Digital Varnier Caliper |  |  |
|  | **Diodes**   * Germanium diodes, * Silicon Diodes, * Photodiodes |  |  |
|  | Distillation Plant (Metal Heater) No.P217010 |  |  |
|  | Electric Balance Cap: 1000 g |  |  |
|  | Electric Balance Cap: 5000g |  |  |
|  | Electric Blower (Best Brand) |  |  |
|  | Electric Heater |  |  |
|  | Electronic Digital Caliper |  |  |
|  | ELISA Manual (open System) |  |  |
|  | EPOFIX kit Code-EPOFI Cat No:40200029 |  |  |
|  | Farino graph – E (Bench Type) |  |  |
|  | Four points probes |  |  |
|  | FTIR ZnSe Crystal Disc for FTIR Thermo Electron Nicolet |  |  |
|  | Function Generator |  |  |
|  | Galvano Meter |  |  |
|  | Gas Oven |  |  |
|  | Gel Documentation System |  |  |
|  | Glucometer along with strips |  |  |
|  | Haemometer |  |  |
|  | Hand Grip dynamometer (digital with computer attached device) |  |  |
|  | [Hanna portable conductivity EC/TDS/NaCl/Resistivity meter, AC input 230 V, UK plug,](http://www.sigmaaldrich.com/catalog/product/aldrich/z679534)  # |  |  |
|  | Health Wizard (5) Software (Micro Fit Health and Fitness Systems) |  |  |
|  | Heart Rate Monitor (5 digital & 5 manual) |  |  |
|  | Heath Kit Analog to Digital Trainer ETW - 7000 |  |  |
|  | Heath Kit ET - 3200 |  |  |
|  | Heath Kit ET - 3600 |  |  |
|  | Heath Kit ET - 3700 |  |  |
|  | Heating Mantle |  |  |
|  | Hematology Analyzer Buffer (25 kit) |  |  |
|  | Hem cytometer |  |  |
|  | High pressure steel oxygen cylinder |  |  |
|  | Hollow Cathode Lamps (Single Element)(Silver, Copper, Cadmium |  |  |
|  | Hot magnetic stirrer / DF-101S digital-display thermostat water and oil bath pot |  |  |
|  | Hot plate china |  |  |
|  | Hot-sell deionized water system for all kinds of lab  experiments (HiTech) |  |  |
|  | Hygrometer |  |  |
|  | IC 7400 |  |  |
|  | IC 7402 |  |  |
|  | IC 7404 |  |  |
|  | IC 7408 |  |  |
|  | IC 741 |  |  |
|  | IC 742 |  |  |
|  | IC 7432 |  |  |
|  | IC 7476 |  |  |
|  | IC 7486 |  |  |
|  | Immobilon-PSQ Membrane, PVDF, 0.2 µm, 26.5 cm x 3.75 m roll |  |  |
|  | Incandescing Lamp |  |  |
|  | Insect Boxes |  |  |
|  | Insect Collecting Nets |  |  |
|  | Insect Pins (Black Tempered) in various size1,2 |  |  |
|  | Invitrogen™) |  |  |
|  | Keys Skin punches  6 mm |  |  |
|  | KEYSIGHT TECHNOLOGIES  B2901A  Source Measure Unit, B2900A Series, Current/Voltage Measure, Current/Voltage Source, 31.8 W  Minimum source resolution: 1pA /1µV, Minimum measurement resolution: 100fA/100nV  Maximum output: 210V, 3ADC/10.5A pulse |  |  |
|  | KHN-IDL – 600 Analog lab |  |  |
|  | Labnet Enduro UV Trans illuminator for Fluorescent DNA & RNA Imaging, U1001 |  |  |
|  | Laboratory Drying Oven  (Temp: range RT-250 C  Operating Voltage 220V/50Hz  Volume 10-20L) |  |  |
|  | Laboratory shaker (Maxi Rotator) |  |  |
|  | Laminar Air Flow hood (Model# BK-0370 Made in China) / Taiwan / UK |  |  |
|  | LDR |  |  |
|  | **LED**   * Green * Red * White * Yellow * Orange * IR LEDs |  |  |
|  | Leica microscope |  |  |
|  | Magnetic Stirrer/Hotplates. |  |  |
|  | Manual Spirometer |  |  |
|  | Manual Thermometer |  |  |
|  | Mechanical Stirrers. |  |  |
|  | Micro-centrifuge machine |  |  |
|  | Micro centrifuge Tube 1.5 ml |  |  |
|  | Micro tube Rack |  |  |
|  | Microwave oven |  |  |
|  | Mini Trans-Blot Electrophoretic Transfer Cell and Power Pac HC Power supply |  |  |
|  | Mini-PROTEAN® Tetra Cell |  |  |
|  | Molecular imager Chemidoc XRS system |  |  |
|  | MP-2 Peristaltic Pump Drive. 230V, 50/60Hz, 400VA  (146821 Fast Load Pump Head For MP-2, 123762 Silicone Tubing 1/4” OD x 1/8” ID, # 16,  (15 meters/pk,), 123790 Silicone Tubing 7/16” OD x 5/16” ID, # 18, ( 15 meters/pk) |  |  |
|  | Multi-function [Automatic Titrator](http://www.alibaba.com/product-tp/124176378/Automatic_Potentiometric_Titrator.html) |  |  |
|  | Multipara meter (pH, ECe, TDS, salinity) |  |  |
|  | Ocean Optics Model HR4000 Spectrometer |  |  |
|  | Orion Star pH bench top meter |  |  |
|  | Oscilloscope Probes |  |  |
|  | Oxygen meter model Oxy. 315i/SET |  |  |
|  | PCR reddy mix |  |  |
|  | pH meter 420A Orion |  |  |
|  | PH meter multi-purpose (HACH) |  |  |
|  | PH Meters/Do Meters/ Anemo Meters. |  |  |
|  | PH Meter digital (Portable) |  |  |
|  | **Photo Transistors,**   * SCR (UTCBT169) * UJT (2N4871) * FET (n-channel 2SK30ATM) * FET (p-channel 2SJ471) |  |  |
|  | Pocket Digital Multimeter Uni-Trend UT33C |  |  |
|  | Portable Pipet-Aid® XP |  |  |
|  | Power Pac Basic Power Supply |  |  |
|  | Precision 100MHz Oscilloscope Model # 2190B |  |  |
|  | Proximate Analyzer |  |  |
|  | Pulse Oximeter |  |  |
|  | Pulsometer (digital with computer attached device) |  |  |
|  | Quartz Crucible |  |  |
|  | Rain gauge Automatic |  |  |
|  | Recirculating chiller -for Rotavap temp range 10 ˚C – 20 ˚C, Model [Rotavapor ® R-300](https://www.google.com.my/url?sa=i&rct=j&q=&esrc=s&source=images&cd=&cad=rja&uact=8&ved=0ahUKEwj9xuT_9-vRAhUB1hQKHaADAvcQjhwIBQ&url=http%3A%2F%2Fwww.buchi.com%2Fen%2Fproducts%2Flaboratory-evaporation%2Frotavapor-r-300&bvm=bv.145822982,d.d24&psig=AFQjCNFUGqZOkOTefjRygCiUF_mJRyI5jw&ust=1485936747904847) with chiller. |  |  |
|  | Reflex hammer |  |  |
|  | Refractometer. |  |  |
|  | Regulated DC Power Supply |  |  |
|  | Replica Device |  |  |
|  | **Resisters**100Ω,1k, 2.2k, 3.3k, 10 k, 4.7k, 33k, 3.3k 470k, 100k, 68k, 1M, 10M, 100M |  |  |
|  | Revolizer |  |  |
|  | RJ-45 Connectors |  |  |
|  | Rotary Evaporator Anti bump Trap 24/40 250ml, Rotovap bump trap |  |  |
|  | Rotary evaporator Buchi with chiller & water bath (1.5 L) |  |  |
|  | Rotary Evaporators. |  |  |
|  | Salinity, Conductivity and TDS meter WTW 320A Orion |  |  |
|  | Sechhi Disc Plate (Black& White) with rope |  |  |
|  | Shaker Incubator (Made in China / Japan ) |  |  |
|  | Silicon Carbide Powders for Preparing thin Sections Grit size 400, 600, 800, 1000, 1500 |  |  |
|  | Single Beam Spectro Photometer USA Made |  |  |
|  | Slide Boxes (Empity) Capicity 100.slides (Wood or plastic form) |  |  |
|  | Slide trays (Aluminium) |  |  |
|  | Slide trays cupboard |  |  |
|  | Slide trays wooden |  |  |
|  | Snap tube rack for 50 ml tubes |  |  |
|  | Software in disc (Flopy) used for Varian Spectr AA 20 |  |  |
|  | Spectrophotometers UV Visible. |  |  |
|  | Spin coater(CS-05. 7″ bowl, 2 stage manual control, max 8,000 rpm) |  |  |
|  | Spirometer (digital with computer attached device) |  |  |
|  | Splicing machine |  |  |
|  | Spray Gun (05 uM) graduated, 2, 3, 4 # |  |  |
|  | Stadometer (digital with computer attached device) |  |  |
|  | Stainless steel feeding needle for rats |  |  |
|  | Stereo zoom Microscope with fitted digital camera |  |  |
|  | Stereoscopic microscopic with 2x,4x,7x objectives |  |  |
|  | Stethoscope (Litman) |  |  |
|  | Stop Watches (digital with computer attached device) |  |  |
|  | Streaching Boards (for insects) 12”inches (length) |  |  |
|  | Swift Stereo Microscope SM102 Eyepieces W10x, 20mm Objectives 2X and 4X ILLUMINATOR Turret variable 6x .06W LED, Top variable .05W, Bottom .05W LED. Corded Stand |  |  |
|  | **Switches**:   * SPDT * DPST * DPDT * NOPF * NCPB |  |  |
|  | Table lamps |  |  |
|  | Table shaking incubator |  |  |
|  | TDS meter |  |  |
|  | Teddal bar bags |  |  |
|  | Thermo Scientific digital meter 5 Star pH-ISE-Cond-DO Benchtop |  |  |
|  | Thermo Scientific Locator |  |  |
|  | Thermo Scientific Multiskan EX |  |  |
|  | Tips in Rack (10 µl) |  |  |
|  | Tips in Rack (1000 µl) |  |  |
|  | Tips in Rack (200 µl) |  |  |
|  | Transistors NPN MPSA20 417-801 |  |  |
|  | Transistors PNP 417-116 |  |  |
|  | Treadmill (digital with computer attached device) |  |  |
|  | Treadmill Exercise Machine |  |  |
|  | Tube lights water proof with variable voltage (Water Proof) |  |  |
|  | Turbidity meter |  |  |
|  | Twisted Pair Cable |  |  |
|  | Two sizre sqush tape  (Double Side) |  |  |
|  | Ultrasonic sonicator bath  (Time setting:1-99min adjustable  Temperature setting: 0 ºC-80 ºC  capacity from 1L to 13L) |  |  |
|  | UPS batteries |  |  |
|  | UV-Vis Spectrophotometer with computer software with quartz cuvette |  |  |
|  | Vacuum Cleaner (Best Brand) |  |  |
|  | Vacuum Pump |  |  |
|  | **Variable Resistors**   * 1KΩ * 1MΩ * 1.5MΩ * 100KΩ |  |  |
|  | Varian Cary-300 BIO/SCAN/CONC Uv-Vis Spectrophotometer 190nm~900nm |  |  |
|  | Vernier caliper digital |  |  |
|  | Viscometers. |  |  |
|  | Vortex Mixer |  |  |
|  | Vortex-Genie 2 |  |  |
|  | Water analyzer machine |  |  |
|  | Water logger |  |  |
|  | Weight Machine |  |  |
|  | YSIProDSS Multipara meter Sampling Instrument |  |  |
|  | Z2s-0Siz-AT71 01  Digital video Zoom system (Trinocular head)  Power source 220 v AC50 HZ complete  Including following attachments  PGD-150Z.DGGF dual  Gooseneek Illuminator.  Ill-FLAV 1071fluorescent ring light  Ill-LEDV-RL73 LED ring light  BVC-CN 13 –CMTI BIOVID video camera  With lens and Eye piece  5.BVC-UVCD SFT 3 – Biedeo capture 2.0 USB device  6. MVC-USMP-EMT 35 MP minivid camera USB  7.VIP-MN19-HDTV 19`` LCD Screen  8. User Mannual, Power cards, , CDs |  |  |
|  | **Zener Diodes**   * 4.8v * 5.0v * 5.2v * 6.2v |  |  |

**Professor Incharge, I abide myself of the above terms and Condition**

**Central Scientific Store.**

**University of Sindh, Jamshoro.**

**Name of Firm & Signature with Stamp**