

CHEMISTRY B-TECH

For GCT Timergara, Kohat, Nowshera and Abbottabad

LIST OF CHEMISTRY B-TECH

S.No	Name of items Revised Specification	Qty
01	<p><u>PH Meter Portable:</u></p> <ul style="list-style-type: none"> ➤ PH Range: -2.00~16.00pH: ➤ PH Accuracy: ±0.01pH ➤ MV Range: -1999~1999mV ➤ MV Accuracy: ±1mV ➤ Calibration Points: 2 points ➤ Calibration Solutions: USA (pH4.01, 7.00, 10.01) ➤ Temperature Range: 0~100°C, 32~212°F ➤ Temperature Accuracy: ±1°C ➤ Temperature Calibration: Manual ➤ Temperature Compensation: 0~100°C, 32~212°F ➤ Automatic or Manual ➤ Hold Function : Manual ➤ Memory: 50 data sets with Date/Time stamping ➤ Output: USB Communication Interface ➤ Connector : BNC ➤ Built in battery Luxury III arm stand; ➤ PH Electrode, Temp Probe. 	20
02	<p><u>Conductivity Meter</u></p> <ul style="list-style-type: none"> ➤ Conductivity Range: 0~20mS/cm (Max.200mS/cm) ➤ Conductivity Accuracy: ±0.5% Full Scale ➤ Calibration Points: Up to 5 points ➤ Calibration Solutions: 10uS/cm, 84uS/cm, 1413uS/cm, 12.88mS/cm, 111.8mS/cm ➤ TDS Range: 0~10ppt (Max. 20ppt, Depending on factor setting) ➤ TDS Accuracy: ±1% Full Scale ➤ TDS Factor: 0.1~1.0 (Default 0.5) ➤ Temperature Range: 0~105°C, 32~221°F ➤ Temperature Accuracy: ±0.5°C, ±0.9°F ➤ Temperature Calibration: Manual ➤ Temperature Compensation: 0~100°C, 32~212°F, Automatic or Manual ➤ Temperature Coefficient: 0.0~10.0% per °C ➤ Compensation Modes: Linear or Pure Water ➤ Cell Constant: K=0.1, 1, 10, Selectable ➤ Normalization Temperature: 20°C or 25°C ➤ Auto-Off: Manual or Automatic (10, 20, 30 minutes after last key pressed, Selectable) ➤ Reset Function: Yes ➤ Sensor Type: Platinum (Order Code: CON-0.1, CON-1 or CON-10) ➤ Memory: 500 data sets with Date/Time stamping ➤ Battery operated Stand 	20
03	<p><u>Balance Digital</u></p> <p>Capacity: 2000gm Sensitivity: 0.1gm For: 220-240V, 50/60Hz, single phase supplies(Range: 3200gm-3500gm)</p>	20
04	<p><u>Oven(Lab Oven)</u></p>	20

	Temperature range: 250 – 300 °C With natural convection Air, microprocessor PID controller, separately adjustable over-temperature controller, and perforated stainless steel Inner side. For 230V 50/60Hz single phase supplies.	
05	<u>Water Bath</u> Capacity: 50-60 lit Hole: 4 or 6 Stainless steel Inner side, with integral heating element, connector with cable, constant level and set of concentric rings. For 220VAC single phase supplies; rating 1kW.	20
06	<u>Magnetic Stirrer with Hot Plate.</u> It's heating temperature from room temperature to 300 degrees Celsius. Magnetic stirrer built-in the CPU chip, it can control each operation functions of stirrers. The stirrer uses push-button to increase or decrease the stir speeds, Stirring Volume: 0 to 2000mL Stirring Speed: 0 to 1250rpm Panel Material: Stainless Steel Temperature: ambient to 300 °C Timer: 0 to 999 minutes Power Requirements: 220V/50Hz, with internal thermocouple, slimy bar	20
09	<u>Muffle Furnace</u> Temperature: ambient to 1150 °C Programmable 0 °C to maro in two steps. Suitable for element analysis and quenching, tempering and annealing of small steel parts as well ad-sintering, melting and analyzing of metal and ceramics. Used in laboratories of mines, enterprises and scientific research institutes. 220v/50Hz Max Temp: 1300°C	04
10	<u>Centrifuge Machine</u> Max. speed: 4000rpm Capacity: 12×20ml Max.RCF: 2325*g Power source: 220V 50Hz Time range: 0~ 60min, constant? Pulse?	20
11	<u>Spectrophotometers</u> Product/Specification: - Wavelength Range 325-1000nm - Spectral Bandwidth 4nm Optical System Single Beam , - Grating 1200 lines/mm Wavelength - Accuracy ±2nm - Wavelength Repeatability 1nm Wavelength - Setting Manual - Photometric Accuracy ±0.5%T - Photometric Range 0-200%T , -0.3 - 3A Stray Light 0.3%T - Stability ±0.004A/h @500nm - Display 128*64 Dots LCD - Detector Silicon Photodiode - Power Requirement AC 220/50Hz. - Water distillation ??	08