

	Anesthetist (CPS-06)	No test
	Medical Officer (Anesthesia) (CPS-05)	Verbal Reasoning = 20% Analytical Reasoning = 10% IQ = 10% Anesthesiatic Administration = 15% Medicine = 05% Surgery = 05% Pediatrics = 05% Gynecology = 05% Obstetrics = 05% Dermatology = 05% Emergency Medicine = 05% Opthamology = 05% ENT = 05%
	Medical Officer (CPS-05)	English (Grammar), Vocabulary & Comprehension =20% Analytical Reason =10% Medicine = 20% Surgery = 15% Pediatrics = 05% Gynecology = 05% Obstetrics = 05% Dermatology = 05% Emergency Medicine = 05% Opthamology = 05% ENT = 05%
	Medico-Legal Officer (CPS-05)	English (Grammar), Vocabulary & Comprehension = 20% IQ = 10% Quantitative = 10% Medicine = 15% Surgery = 15% Gynae = 10% Peads = 10% ENT = 05% Eye = 05%

**MTI Ayub Teaching  
Hospital  
Abbottabad**

<p>CT Scan Technician (CPS-02)</p>	<p><b>Anatomy = 30%</b>          Definition of anatomy.          Anatomical positions.          Terms used in Clinical Anatomy          DNA, RNA &amp; Chromosome definitions &amp; significance.          Basic Tissues names &amp; Classification          Names of Body bones.          Major Endocrine gland of body names and its functions          Cranial Nerves          Parts of brain</p>
<p>MRI Technician (CPS-02)</p>	<p><b>Physiology = 30%</b>          Physiology Definition and classification          Human Cell and its major components          Circulatory System definition and major functions.          Difference between arteries and veins          Heart rate and Blood Pressure.          Hematology definition and its branches.          Blood definition, composition and functions (RBC, WBC, HB, Platelets, PT, APTT, BT, CT)</p>
<p>Junior Clinical Technician Pathology (CPS-02)</p>	<p>Immunity definition and classification.          Anemia and its classification.          Thyroid Function Tests names</p> <p><b>Biochemistry = 30%</b>          Biochemistry Definition and major branches          Enzymes definition and classification          Carbohydrates (definition and classification)</p>
<p>Junior Clinical Technician Dialysis (CPS-02)</p>	<p>Hyperglycemia and Hypoglycemia          Lipids definition and classification          Protein definition and classification          Vitamins... Fats Soluble and water soluble          Nutrition definition and essential nutrients.          Body fluids importance and fluid compartments          Metabolic acidosis</p> <p><b>Computer Science = 10%</b>          Introduction to computer, Basic units of data, Barcode reader, Software &amp; Hardware, Virus &amp; Anti-Virus</p>
<p>JCT Neurology (EEG) (CPS-02)</p>	

Phlebotomist (CPS-02)

**Blood Bank = 35%**

Introduction to Blood bank, Antigen antibodies reactions, Requirements of a standard blood bank, (Phlebotomy, Screening, Storage, and Transportation/Cold Chain), Preparation of basic reagents, ABO and Rh D grouping, Other Blood group system (Kell, Duffy, Kidd, MNSs etc), Donor selection criteria., Blood products and its importance, Transfusion Reactions, Investigation of transfusion reaction, Hemolytic disease of newborn, Transfusion Transmittable infections (TTIs)

**Quality Assurance in Blood Bank: = 25%**

Preparation & Quality assurance of Blood component, Calculation of quality parameters, Frequency of quality control performance, Quality assurance, Calibration & Maintenances of Blood Bank Equipment's, Documentation and record keeping

**Practical: = 10%**

ABO blood grouping (Forward and Reverse grouping), Rh Blood grouping, Antibodies screening, Cross matching (Major and Minor), Separation of different blood components

**General Knowledge: = 20%**

**English (BA Standard) = 10%**