

COUNCIL OF PARAMEDICAL SCIENCE OF INDIA

SUBJECT : PATHOLOGY SYLLABUS		TOTAL LECTURES = 80		
SR NO	UNIT	SUB - UNIT	LECTURE FOR SUB UNIT	TOTAL LEACTURES
I	GENERAL PATHOLOGY	<ol style="list-style-type: none"> 1. Introduction of Pathology 2. Microscope & Microcopy & Instrumentation Hemoglobinometer ESR Tubes, RBC pipette, Neubar's Chamber, Cell Counter, Centrifuge, Incubator, Oven 3. Diseases & their causes, Inflammation cell injury & Degeneration 4. Lab Organisation, Personal care & precautions Medical Ethics & Quality control 		08
II	HAEMATOLOGY 1.BLOOD	<ol style="list-style-type: none"> 1. Introduction to basic Haematology blood cells, Types, Functions, Haemopoesis, Haemoglobin, Reticulocyte Count. 2. Collection of blood ; PBS preparation. 3. Haemostasis & Haemorrhagic disorders Platelet count. 4. BT/CT/PT clotting Mechanism 		08
III	HAEMATOLOGY 2.ERYTHROCYTES	<ol style="list-style-type: none"> 1. RBC, Morphology & Functions, count indices. PCV 2. Anemia Definition, classifications & general plan of investigation 3. The lessemisas, G6 PD deficiency, Hb Electrophroesis 4. Different methods of estimation of Hb, ESR 		08
IV	HAEMATOLOGY 3.LEUCOCYTES	<ol style="list-style-type: none"> 1. WBCs morphology, Functions & Leucopenia, Leucocytosis 2. Leukemias Types & investigations Bone marrow aspiration 3. Leukemoid reactions 4. Eosinophill count 		08
V	TRANSFUSIONOLOGY BLOOD BANKING	<ol style="list-style-type: none"> 1. Blood bank planning & Managementreceiving & recording samples. Legal aspects & Quality control 2. Collection of blood, ABO & another blood group system 3. Selection of donor 4. Coombs test, RH incompatibility Transfusion reactions, Transfusion transmitted disease 		08
VI	CLINICAL PAHOLOGY 1.URINE & SPUTUM	<ol style="list-style-type: none"> 1. Urine formation, Collection, Composition Physical, Chemical & Microscopic Examination 2. Urine – Sp. Test – urobilinogen, culture studies 3. Pathology related Urine investigations 4. Sputum Collection & smear study 		08

VII	CLINICAL PATHOLOGY 2.STOOL	<ol style="list-style-type: none"> 1. Formation of stool in GIT 2. Stool Composition 3. Stool Examination 4. Pathology related to stool examination 		08
VIII	CLINICAL PATHOLOGY 3.SEMEN	<ol style="list-style-type: none"> 1. Anatomy & Physiology of male Genital Tract 2. Collection Method 3. Chemical Examination 4. Microscopical exam – count morphology motility 		08