

**SYLLABUS FOR**  
**PATHOLOGY, HAEMATOLOGY,**  
**HISTOPATHOLOGY & BLOOD BANKING**

(Marks -100)

1. Haematology : Haemoglobin, RBC, Total & Differential Count  
ESR, PCV, Absolute Values  
Reticulocyte Count  
Platelet Counting  
Bleeding Time & Clotting Time  
Blood Smear for Malaria & Filaria
2. Clinical Pathology: Urine Examination (Routine & Micro.)  
Stool Examination for Ova & Cyst  
Sputum for Acid Fast Bacilli  
Throat Swab for KLB  
Scrapings for Hansen's Bacilli  
CSF & Other Fluid Examination  
Semen Analysis
3. Blood Banking: ABC Grouping, Slide & Tube method  
Major & Minor Cross Matching  
Rh. Typing. Rh Antibody Titre  
Direct & Indirect Coomb's test  
Donor Screening for Safe Blood  
Identification, Labeling & Maintaining the Records  
Anticoagulant preparation  
Component Separation
4. Histopathology: Fixation of tissues & Fixatives  
Tissue processing & Section Cutting  
Microtome's & Knives  
Mounting & Mountants  
Staining, H&E, Common Special Stains
5. Cytology: Types of Specimens & Processing  
Preparation & Fixation of Smears  
Pap Staining & MGG Staining
6. Museum: Preparation of Fixatives  
Techniques: Restoration of Colour  
Autopsy Techniques  
Preservation of Specimens  
Museum mounting  
Disposal of Waste & Safety in Laboratory.

  
संयुक्त संचालक (कार्या.स्था.)  
संचालनालय स्वास्थ्य सेवायें  
छत्तीसगढ़