Rajiv Gandhi University of Health Sciences, Karnataka

Second Year B.Sc. (M.L.T) Degree Examination – 03-Nov-2026

Time: Three Hours **Max. Marks: 100**

PATHOLOGY – II (RS-4)

Q.P. CODE: 3281

Your answers should be specific to the questions asked
Draw neat labelled diagrams wherever necessary

LONG ESSAYS (Second Question Choice) **2 x 10 = 20 Marks**

1. Write in detail about tissue processing, decalcification and selection cutting
2. Describe normal haemostasis and mechanism of blood coagulation
   OR
   Explain haemoglobin electrophoresis

SHORT ESSAYS (Question No 5 & 10 choice) **10 x 5 = 50 Marks**

3. Describe the investigation of G6PD deficiency
4. Explain Myelopoiesis
5. Discuss the quality control in haematology laboratory
   OR
   microphotography
6. describe the procedure of bleeding time
7. Osmotic fragility test
8. application of computer in pathology
9. Bone marrow biopsy study
10. Assay of clotting factors
    OR
    Write procedure and normal values of Absolute Eosinophil Count
11. Mounts and mounting technique
12. Write procedure and normal values of packed cell volume

SHORT ANSWER **10 x 3 = 30 Marks**

13. Neutrophilia
14. Three types of haematoxylin
15. Name the stains used for reticulocyte count
16. List three tests for cytochemistry stains
17. Morphology and functions of red blood cell
18. Euglobulin test
19. Uses of dark ground microscope
20. Normal values of total leucocyte count and differential leucocyte count
21. Name three clearing agents
22. EDTA (Ethylene diamine tetra acetic acid)

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