

Rajiv Gandhi University of Health Sciences, Karnataka
Second Year B.Sc. (M.L.T) Degree Examination – 28-Nov-2024

Time: Three Hours

Max. Marks: 100 Marks

PATHOLOGY – II (RS-4)

Q.P. CODE: 3281

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

LONG ESSAYS (Second Question Choice)

2 x 10 = 20 Marks

1. Describe Freezing microtome and cryostat. Add a note on Automatic slide stainer.
2. Describe the tests for investigation of megaloblastic Anemia.

OR

Describe normal hemostasis and mechanism of blood coagulation

SHORT ESSAYS (Question No 5 & 10 choice)

10 x 5 = 50 Marks

3. Application of computers in Pathology.
4. Automated tissue processor.
5. Procedure of hematoxylin and eosin staining.

OR

Special stains for collagen fibres.

6. Museum technology.
7. Quality control in Hematology laboratory.
8. Hemoglobin electrophoresis.
9. Tests of autoimmune hemolytic anemia.
10. Schilling test.

OR

Reticulocyte count.

11. Assay of clotting factors.
12. Determinations of bleeding time.

SHORT ANSWER

10 x 3 = 30 Marks

13. Name three fixatives used in histopathology.
14. Uses of dark ground microscope.
15. Differential count of white blood cells.
16. Normal values of Hemoglobin and Hematocrit
17. Fibrin degradation products.
18. Clinical significance of hemoglobin estimation.
19. LE cell.
20. Anticoagulants used in hematology laboratory.
21. Diluting fluid used for RBC count and its composition.
22. Three uses of electron microscope.
