

Rajiv Gandhi University of Health Sciences, Karnataka
III Year B.Sc. (M.L.T) Degree Examination – 22-May-2025

Time: Three Hours

Max. Marks: 100 Marks

PATHOLOGY – III (RS-4)
Q.P. CODE: 3284

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. List blood components. Describe the method of preparation of platelet concentrate. Add a note on storage of platelets.
2. Mention the stains used in cytology. Write the principle and preparation and staining method of may grunwald Geimsa Stain.

OR

Discuss the principle and equipment used in flow cytometry. Add a note on its uses in the diagnosis.

SHORT ESSAYS (Question No 5 & 10 choice)

10 x 5 = 50 Marks

3. Fresh frozen plasma.
4. Advantages and disadvantages of FNAC.
5. ABO blood group system.
- OR**
6. Cell Block preparation.
7. Cytological fixatives.
8. Quality control in blood bank.
9. Tests for transfusion transmitted infections.
10. Histology and normal cytology of salivary gland.
11. Principle and use of immunohistochemistry.

OR

Blood containers, anticoagulants and storage of blood and blood components.

12. Various banding techniques.
13. Oncogenes.

SHORT ANSWER

10 x 3 = 30 Marks

14. List three infections diagnosed in PAP smear.
15. List three transfusion transmitted diseases.
16. Colchicines.
17. Normal cell structure.
18. Write three differences between benign and malignant cells.
19. Laminar flow equipment.
20. Major cross matching.
21. Sub groups of A & B
22. Schorr stain.
23. Normal cytology of endometrium.