

Rajiv Gandhi University of Health Sciences, Karnataka
Second Year B.Sc. (M.L.T) Degree Examination – 12-May-2026

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 Haemoglobin Electrophoresis.
2. Describe frozen section and its uses. Add a note on fat stains
OR
Describe cryostat and its uses

SHORT ESSAYS (Question No 5 & 10 choice)

10 x 5 = 50 Marks

3. Describe the steps of tissue processing
4. Explain dark ground Microscope and add a note on its application
5. How do you measure Haematocrit, explain its significance
OR
Describe the staining techniques for carbohydrate and lipids
6. Discuss the staining principle and procedure for fungal identification
7. Sickling test
8. Explain the mechanism of blood coagulation
9. Write briefly on Folate assay and add its importance
10. Demonstration of LE cells
OR
Importance of quality control in Haematology Lab
11. Write a note on Electron Microscope
12. Discuss prothrombin time

SHORT ANSWER

10 x 3 = 30 Marks

13. List three advantages of Automatic tissue processor
14. List three cytochemical stains
15. List three stains for collagen
16. List three RBC indices
17. List two mountants
18. List two tests for Fibrin degradation products
19. List four types for Hemolytic anaemia
20. List the composition of Leishman stain
21. List the steps Section Cutting
22. Application of Microphotography
