

# Rajiv Gandhi University of Health Sciences, Karnataka

## I Year B.Sc. Allied Health Sciences Degree Examination – 05-Jun-2024

**Time: Three Hours**

**Max. Marks: 80 Marks**

### **PATHOLOGY**

(RS3 – Medical Laboratory Technology, Medical Imaging Technology and Radiotherapy Technology  
RS2 – Operation Theatre Technology, Cardiac Care Technology, Perfusion Technology, Renal  
Dialysis Technology, Respiratory Care Technology, Anaesthesia Technology and Neurosciences  
Technology)

**Q.P. CODE: 3154**

**(QP contains two pages)**

Your answers should be specific to the questions asked.

Draw neat, labeled diagrams wherever necessary.

### **SHORT ESSAYS (Answer Any Eight)**

**8 x 5 = 40 Marks**

1. Microscopic examination of Cerebrospinal Fluid (CSF).
2. Use and care of microscope.
3. Decalcifying agents.
4. Describe stool examination.
5. Describe the tests for protein in urine.
6. Describe the steps in tissue processing.
7. Screening tests for coagulation.
8. Collection and processing of blood for transfusion.
9. Ensuring safety in the laboratory.
10. Formalin-based fixatives.

### **SHORT ANSWERS (Answer Any Ten)**

**10 x 3 = 30 Marks**

11. Rotheras test.
12. Filing of slides.
13. List the various body fluids received in the laboratory.
14. Any three uses of Buffy coat.
15. RBC count.
16. Uses of xylene in histopathology.
17. Types of microtome knives.
18. Platelets.
19. Draw and label Wintrobe's tube and mention two uses.
20. Bence-Jones protein.
21. Tests for occult blood in stool.
22. Kaiserling solution.

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## **TO THE POINT ANSWERS (Answer Any Five)**

**5 x 2 = 10 Marks**

23. Mention two reducing substances in urine.
24. List the stages of erythrocyte sedimentation rate (ESR)
25. Major crossmatch.
26. Mention two diseases transmitted by blood transfusion.
27. L-moulds.
28. Mention two mordants of Haematoxylin.
29. Mention two types of microtomes.

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