

# Rajiv Gandhi University of Health Sciences, Karnataka

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

**Time: Three Hours**

**Max. Marks: 100 Marks**

## **PATHOLOGY**

(**RS-3** – B.Sc Cardiac Care Technology, Perfusion Technology, Renal Dialysis Technology, Respiratory Care Technology, Neuro Sciences Technology, Anesthesia Technology, Operation Theatre Technology, Emergency and Trauma Care Technology)

(**RS-4** – B.Sc Medical Laboratory Technology, Medical Imaging Technology and Radiotherapy Technology) Anesthesia and Operation Theatre Technology

**Q.P. CODE: 3264**

**(QP contains two pages)**

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 the physical and microscopic examination of urine.
2. Enumerate various methods of hemoglobin estimation. Explain any one method.

**OR**

Define Necrosis. Describe various types of necrosis with examples.

### **SHORT ESSAYS (Question No 5 & 10 choice)**

**10 x 5 = 50 Marks**

3. Explain sputum examination.
4. Describe the method of CSF collection.
5. Discuss one method of Packed Cell Volume estimation.

**OR**

Describe the microbial agents of carcinogenesis.

6. Discuss estimation of Prothrombin time.
7. Discuss hemolytic transfusion reactions.
8. Explain hyperplasia with examples.
9. Describe Granulomatous inflammation with example.
10. Discuss pathogenesis of Edema.

**OR**

Discuss clinical manifestations of SLE.

11. RH blood grouping system.
12. Anticoagulants used in Hematology lab.

### **SHORT ANSWER (Question No 15 & 20 choice)**

**10 x 3 = 30 Marks**

13. List three benign tumours.
14. Name types of infarction.
15. List various modes of spread of cancer.

**OR**

List the functions of RBCs.

16. Enumerate signs of inflammation.

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17. Give three examples for Metaplasia.
18. List three anticoagulants used in blood bank.
19. Normal values of ESR.
20. Describe morphology of Neutrophil.  
**OR**  
List tests for protein in urine.
21. Name three sites for blood collection.
22. Name three body fluids.

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