

**Rajiv Gandhi University of Health Sciences, Karnataka**  
**I Year B.Sc. Allied Health Sciences Degree Examination - 29-Nov-2023**

**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 normal hemostasis. Add a note on anti-coagulants.
2. Describe urine examination in detail.

**OR**

Define thrombosis. Describe the mechanism of formation and fate of thrombus.

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

**10 x 5 = 50 Marks**

3. Processing of body fluids.
4. Sputum examination.
5. Definition examination and normal range of PCV (Packed Cell Volume).

**OR**

Blood compatibility testing.

6. Microscopic examination of feces.
7. Pathologic calcification.
8. Factors affecting wound healing.
9. Causes and outcome of acute inflammation.
10. Types of edema.

**OR**

Modes of carcinogenesis.

11. Define bleeding time. Explain any one method.
12. Types of cell injury.

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

**10 x 3 = 30 Marks**

13. Name three preservatives used for urine.
14. Principle of Sahli's method of haemoglobin estimation.
15. Stages of ESR (Erythrocyte Sedimentation Rate).

**OR**

Define Prothrombin Time (PT).

16. What is Rh system of blood grouping?
17. Define atrophy and give an example.

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18. Fat embolism.
19. List three characteristic of malignant neoplasms.
20. Name three types of shock.  
**OR**  
Name three benign tumors.
21. Define infarction.
22. Name three oncogenes.

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