

Rajiv Gandhi University of Health Sciences, Karnataka

I Year B.Sc. Allied Health Sciences Degree Examination - 11-May-2026

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 collection, preservation and processing of CSF.
2. Describe various methods of haemoglobin estimation.

OR

Define Neoplasia. List the differences between benign and malignant neoplasms. Add a note on modes of spread of tumors.

SHORT ESSAYS (Question No 5 & 10 choice)

10 x 5 = 50 Marks

3. Physical examination of urine.
4. Anti-coagulants used in haematology.
5. Define Necrosis and list the types with examples.

OR

List blood grouping methods. Explain any one.

6. Definition and estimation of ESR.
 7. Types of cell injury.
 8. Mechanism of thrombus formation.
 9. Differences between Exudate and Transudate.
 10. Laboratory diagnosis of cancers.
- OR**
- Definition and types of shock.
 11. Factors affecting wound healing.
 12. Define PCV, explain any one method of estimation.

SHORT ANSWER (Question No 15 & 20 choice)

10 x 3 = 30 Marks

13. Name three ova found in feces.
14. Name three preservatives used for urine.
15. Define bleeding and clotting times.

OR

List three transfusion reactions.

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16. Name three types of emboli.
17. Define metaplasia and give an example.
18. Laboratory diagnosis of SLE.
19. Name three malignant neoplasms.
20. Definition and examples of infarction.
OR
Fatty change.
21. Cellular constituents of blood.
22. Dystrophic calcification.
