Rajiv Gandhi University of Health Sciences, Karnataka

I Year B.Sc. Allied Health Sciences Degree Examination - 11-Nov-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. Discuss collection and examination of CSF in detail.
2. Enumerate constituents of blood. Describe various WBCs and its functions.
   OR
   Discuss various modes of spread of tumors and lab diagnosis of cancer.

SHORT ESSAYS (Question No 5 & 10 choice) **10 x 5 = 50 Marks**

3. Describe physical examination of urine.
4. Discuss various methods of sputum collection.
5. Discuss any one method of blood collection in hematology.
   OR
   Discuss various morphological patterns of acute inflammation.
6. Describe Sahli's method of hemoglobin estimation.
7. Describe steps of Primary Clot Formation.
8. Enumerate various criteria for blood donation.
9. Explain principle and procedure of Indirect Coomb's test.
10. Define metaplasia, explain with examples.
    OR
    What is pathological calcification? Discuss types with examples.
11. Explain healing of cutaneous wound healing by primary intension.
12. Define Thrombosis and mechanism of thrombus formation.

SHORT ANSWER (Question No 15 & 20 choice) **10 x 3 = 30 Marks**

13. Give three examples for organ specific Autoimmune diseases.
14. List three characteristics of malignant tumor.
15. Enumerate various types of shock.
    OR
    Give normal values of bleeding time and clotting time.

16. List three examples for Exudate.
17. Name three types of necrosis.
18. Name three anticoagulants used in blood bank.
19. Name three blood grouping systems.
20. Name four crystals seen in urine.
    OR
    Give normal values of Packed Cell Volume.
21. Name various body fluids.
22. Name four preservatives of urine.

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