Rajiv Gandhi University of Health Sciences, Karnataka

I Year B.Sc. Allied Health Sciences Degree Examination - 19-Dec-2022

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 examination of CSF in detail.
2. Describe the cellular events in acute inflammation.
   OR
   Describe collection and processing of blood for transfusions.

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

3. Physical examination of urine.
4. Anticoagulants used in haematology.
5. Definition and estimation of packed cell volume (PCV)
   OR
   Microscopic examination of sputum.
6. Blood compatibility testing.
7. Factors affecting wound healing.
8. Fate of thrombus.
9. Lab diagnosis of SLE.
10. Types of shock.
    OR
    Grading and staging of cancers.
11. Oncogenes.
12. Differences between reversible and irreversible cell injury.

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

13. Name three casts found in urine.
14. Name three ova found in feces.
15. List any three transfusion reactions.
    OR
    Name three methods of haemoglobin estimation.

16. Define Prothrombin time (PT).

17. Dystrophic calcification.

18. List three features of malignant neoplasms.

19. List three types of emboli.

20. Define hypertrophy and give an example.

OR

Virchow's triad.

21. Name three microbial agents causing cancers.

22. Define infarction.

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