

Rajiv Gandhi University of Health Sciences, Karnataka
Second Year B.Sc. (M.L.T) Degree Examination – 22-May-2023

Time: Three Hours

Max. Marks: 100 Marks

PATHOLOGY – II (RS-4)

Q.P. CODE: 3281

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. Explain Mechanism of Blood Coagulation and Fibrinolytic system
2. Describe the steps of tissue processing

OR

What is Microtome? What are the types of microtomes? Write briefly on ultra microtome

SHORT ESSAYS (Question No 5 & 10 choice)

10 x 5 = 50 Marks

3. Describe the steps involved in Haematoxylin and Eosin staining
4. Explain Electron Microscope and add a note on its application
5. Enumerate the Morphology of different types of WBC

OR

Describe the staining techniques for Collagen and elastic fibers

6. Osmotic fragility test
7. Discuss the staining principle and procedure for Hemoparasite identification
8. Explain bleeding time, clotting time and Prothrombin time
9. Write briefly on schilling test and its importance
10. Describe estimation of serum iron and iron binding capacity

OR

Briefly explain the Museum technique

11. Enlist the uses of Fluroscnt and dark ground microscope
12. Briefly explain Platelet Function Test

SHORT ANSWER

10 x 3 = 30 Marks

13. Normal values of Hemoglobin in adults
14. Microphotography
15. List three types of stem cells
16. Morphology of RBC
17. PTT and PT normal values.
18. List three causes of Eosinophilia.
19. What is regressive staining?
20. What is frozen section? Mention its uses.
21. List three methods of ESR estimation.
22. List three indications for Bone Marrow Biopsy.