

Rajiv Gandhi University of Health Sciences, Karnataka
III Year B.Sc. (M.L.T) Degree Examination – 16-Dec-2022

Time: Three Hours

Max. Marks: 100 Marks

PATHOLOGY – III (RS-4)

Q.P. CODE: 3284

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. What is Fine needle aspiration cytology? Discuss the procedure, advantages and disadvantages of FNAC over biopsy.
2. Define a Karyotype. Discuss the procedure of Karyotyping using peripheral blood lymphocytes.

OR

Discuss various selection criteria used while selecting a donor for blood donation.

SHORT ESSAYS (Question No 5 & 10 choice)

10 x 5 = 50 Marks

3. Anatomy, histology and normal cytology of female genital tract.
4. Anticoagulants used in blood banking.
5. Autologous transfusion.
6. Preservation of immortalized cell lines.
7. Cryoprecipitate.
8. Demonstration of Barr body in buccal smear.
9. Difference between benign and malignant tumours.
10. Flow cytometry.

OR

May Grunwald Geimsa staining method.

11. Oncogenes.
12. Coomb's test.

SHORT ANSWER

10 x 3 = 30 Marks

13. List three fixatives used in cytology.
14. Name three minor blood group systems.
15. Name three applications of immunohistochemistry.
16. Inverted microscope.
17. Normal cytology in urine sediment.
18. Mention three transfusion transmitted infections.
19. Maturation index.
20. Liquid based cytology.
21. Exfoliative cytology.
22. Histology of salivary glands.
