

Rajiv Gandhi University of Health Sciences, Karnataka

III Year B.Sc. (MLT) Degree Examination - 05-Jun-2024

Time: Three Hours

Max. Marks: 80 Marks

PATHOLOGY – PAPER III (RS-3)

Q.P. CODE: 3161

Your answers should be specific to the questions asked
Draw neat, labeled diagrams wherever necessary

LONG ESSAY (Any Two)

2 x 10 = 20 Marks

1. List the components prepared from whole blood. Discuss in detail the preparation, storage and uses of each one.
2. Describe Karyotypic analysis. Add a note on classification and nomenclature of human chromosomes.
3. What is fine needle aspiration cytology? List the applications, advantages and disadvantages.

SHORT ESSAY (Any Six)

6 x 5 = 30 Marks

4. Donor selection criteria
5. List various methods of preparation of material for cytological examination.
6. Discuss methods of ABO blood grouping.
7. Indirect Coomb's test
8. Role of anticoagulants in blood bank
9. Discuss the post donation advice given to the blood donor.
10. Transfusion reaction work up
11. List five differences between exudates and transudate.

SHORT ANSWERS (Any Ten)

10 x 3 = 30 Marks

12. List three stains used in cytology.
13. Barr body
14. Principle of PAP stain
15. List three cytologic criteria for malignancy.
16. Compatibility testing
17. List three viruses transmitted by blood transfusion.
18. Fresh frozen plasma
19. Weak D antigen
20. Flow cytometry
21. Inverted microscope
22. Maturation index
23. GTG banding
