

Rajiv Gandhi University of Health Sciences, Karnataka

III Year B.Sc. (MLT) Degree Examination - MARCH-2018

Time: Three Hours

Max. Marks: 80 Marks

Pathology – Paper III (RS-3 Scheme)

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. Mention donor selection criteria in detail.
2. List cytological fixatives. What is spray fixation? Describe the technique of preparation of smear for staining after spray fixation.
3. Mention stains used in fine needle aspiration smears. Write the principle and procedure of May Grunwald Giemsa stain.

SHORT ESSAY (Any Six)

6 x 5 = 30 Marks

4. Automation in cytology
5. Blood containers and anticoagulants used in blood banking
6. Transfusion reaction
7. Cytology of squamous cell carcinoma of Cervix
8. Describe ABO blood grouping methods
9. Autologous transfusion
10. Cross matching techniques
11. Preparation of smears and fixatives used in Bronchial washings.

SHORT ANSWERS (Any Ten)

10 x 3 = 30 Marks

12. Principle of Papanicolaou stain
13. Significance of Rh blood group
14. Cytology of bacterial meningitis
15. Platelet concentrate – shelf life and storage condition
16. What is image analysis?
17. List blood components.
18. What is tissue culture?
19. Principle of direct's Coomb's test
20. What is karyotyping?
21. What is the use of inverted microscope?
22. List three transfusion transmitted diseases.
23. List two infections diagnosed by Pap smear.
