

Third Year B.Sc MLT Degree Examinations, October 2014

CYTOLOGY & TRANSFUSION TECHNOLOGY

Time: 3 Hours

Total Marks: 100

- Answer all Questions.
- Draw Diagrams wherever necessary.

Essay

(2x10=20)

1. Discuss the collection and preparation of specimens in automated cytology. What are advantages and disadvantages of automation in cytology. (5+5=10)
2. Discuss on forward and reverse ABO blood grouping. How will you resolve a case of ABO discrepancy. (7+3=10)

Short notes

(10x5=50)

3. Urine cytology
4. Rh hemolytic disease of fetus and newborn
5. FNAC
6. Adverse donor reactions
7. Stains in cytology
8. Antibody titration
9. Cyto centrifugation
10. Complement system
11. Synovial fluid cytology
12. Antigen antibody reaction

Answer briefly

(10x3=30)

13. GIT(gastro intestinal tract) cytology
14. Transfusion transmitted malaria
15. Causes of too dark nuclear staining
16. Indirect anti globulin test
17. Bronchial lavage
18. Blood collection bags
19. Normal cervical cytology
20. Methods of platelet preparation
21. Maturation index
22. Preparation of donor phlebotomy site