

Third Year B.Sc MLT Degree Supplementary Examinations May 2018

CYTOLOGY & TRANSFUSION TECHNOLOGY

Time: 3 Hours

Total Marks: 100

- Answer all Questions.
- Draw Diagrams wherever necessary.

Essay

(2x10=20)

1. Indicate the stains that can be used in cytology. Mention their advantages and disadvantages and their applications in various cytology procedures. (2+5+3)
2. Classify transfusion reactions. How do you investigate transfusion reaction (4+6)

Short Notes

(10x5=50)

3. Procedure of fine needle aspiration cytology.
4. Quality assurance in cytology
5. Indirect coombs test
6. Hemolytic disease of the newborn
7. Quality assurance in blood banking.
8. Identification of cells in normal vaginal smear.
9. Anticoagulant preservative solutions used in the blood bank.
10. Infectious disease screening in the blood bank.
11. Processing of sputum for cytology.
12. Blood group systems other than the ABO system

Answer briefly

(10x3=30)

13. What is component therapy
14. Criteria of a good cervical smear
15. Name four methods of blood grouping.
16. Enumerate the records to be maintained in blood bank
17. Hemoglobin screening in blood donors.
18. Quality control of ABO reagents.
19. Cytocentrifuge.
20. Liss and its use in blood banks.
21. Autologous donation.
22. Apheresis.