

Third Year B.Sc MLT Degree Supplementary Examinations April
(November), 2020

Cytology & Transfusion Technology

Time: 3 Hours

Total Marks: 100

- Answer all questions to the point neatly and legibly • Do not leave any blank pages between answers • Indicate the question number correctly for the answer in the margin space
- Answer all parts of a single question together • Leave sufficient space between answers • Draw diagrams wherever necessary

Essay (2x10=20)

1. Define acute transfusion reaction and discuss its basic work up and testing.
2. Discuss the technique, smear preparation, staining and applications of cervicovaginal cytology.

Short notes (10x5=50)

3. Saccomanno's technique in sputum cytology.
4. Scientific management of biomedical waste.
5. Membrane Filters in cytology.
6. Donor deferral.
7. Stains for air-dried smears.
8. Indirect Coombs test.
9. Fixatives used in cytology.
10. Advantages of FNAC.
11. Bombay blood group.
12. Indications for blood components and plasma derivatives.

Answer briefly (10x3=30)

13. Mayer's albumin.
14. Weak D.
15. Blueing.
16. Donor platelet apheresis.
17. Red cell additive solutions.
18. Quality control of reagents used in blood bank.
19. Urine cytology
20. Autoantibodies.
21. Eosin- alcohol.
22. Color index numbers