

**Third Year B.Sc MLT Degree Supplementary Examinations, April 2016**

**CYTOLOGY & TRANSFUSION TECHNOLOGY**

**Time: 3 Hours**

**Total Marks: 100**

- Answer all Questions.
- Draw Diagrams wherever necessary.

**Essay**

**(2x10=20)**

1. Mention the methods of collection of gynecologic specimens. Discuss the methods of cervical smear preparation. (5+5=10)
2. Classify transfusion reactions. How will you investigate a case of transfusion reaction. (3+7=10)

**Short notes**

**(10x5=50)**

3. Sputum cytology
4. Hemoglobin estimation of blood donors
5. Cytology lab safety
6. Secretor status assessment
7. Fine needle aspiration cytology (FNAC)
8. Du (weak D) testing
9. Fixatives in cytology
10. RBC additive solutions
11. Auto screening in cytology
12. Tests for detection of syphilis

**Answer briefly**

**(10x3=30)**

13. Cell division
14. Cryoprecipitate
15. Pre-fixation
16. Leucoreduction
17. Membrane filters in cytology
18. Voluntary blood donors
19. V.E.C (Triple smear)
20. Grading of agglutination
21. Pleural fluid cytology
22. Mendel's laws of inheritance