

**Third Year B.Sc MLT Degree Supplementary Examinations
September 2024**

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. Describe about Liquid-based processing and monolayer smear. Describe the normal cytology of female genital tract.
2. Discuss in detail about the blood components, their method of preparation and indication for use.

Short notes

(10x5=50)

3. Inflammation
4. Cytology lab safety
5. Cell block preparation
6. Air dried smears
7. Fixation of cytology specimen
8. Cytology of respiratory tract
9. Serum grouping
10. Quality control measures in the cytology lab
11. Coomb's tests
12. Fresh frozen plasma

Answer briefly

(10x3=30)

13. Donor selection
14. Additive system
15. Problems in ABO grouping
16. Shorr Stain
17. FNAC application and limitation
18. Mordents
19. Haemosiderosis
20. Causes of positive results in Major cross-matching
21. Regressive staining
22. Incomplete antibodies