

**Third Year B.Sc MLT Degree Regular/Supplementary Examinations
February 2025**

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. Mention the method of collection of Gynaecological specimen. Discuss the method of cervical smear preparation
2. Describe in detail about the various methods of ABO Blood grouping. Mention the red cell reagents and antisera used in ABO grouping.

Short notes

(10x5=50)

3. FNAC
4. Minor blood group system
5. Processing of sputum
6. Organization of cytology lab
7. Antigen antibody reactions
8. Fixatives used in cytology
9. Fresh frozen plasma
10. Normal urine cytology
11. Antiglobulin test
12. Exfoliative cytology

Answer briefly

(10x3=30)

13. Apheresis
14. Du testing
15. Zeta potential
16. Mention the transfusion-transmitted diseases. Describe about NAT
17. Cryoprecipitate
18. Maturation index
19. Coating fixatives
20. Additive Solutions.
21. Blueing
22. Sputum cytology