

Third Year B.Sc MLT Degree Supplementary Examinations January 2022
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 different concentration techniques in fluid cytology. Explain the most widely accepted method with its advantages and disadvantages. Explain sure path method of liquid based cytology. (2+4+4)
2. Classify transfusion reactions. How will you investigate a case of transfusion reaction. (3+7)

Short notes**(10x5=50)**

3. Coating fixatives
4. Papanicoloau's staining
5. Quality control in cytology
6. Safety measures in cytology lab
7. CSF (cerebrospinal fluid) cytology
8. Weak D
9. Donor reactions
10. Bombay blood group system
11. Lectins
12. Coomb's

Answer briefly**(10x3=30)**

13. MGG stain
14. Applications of hormonal cytology
15. Collection and preparation of sputum samples
16. Infections in cervical smear
17. Methods of enhancement of cell yield in fluid samples
18. Cryoprecipitate
19. RBC additive solutions
20. Different types of blood collection bags
21. Secretors
22. Blood bank refrigerator
