

**Third Year B.Sc MLT Degree Supplementary Examinations April 2019**

**Cytology & Transfusion Technology**

**Time: 3 Hours**

**Total Marks: 100**

- Answer all Questions.
- Draw Diagrams wherever necessary.

**Essay**

**(2x10=20)**

1. What is FNAC. Write the procedure, advantages and disadvantages of FNAC.
2. Describe in detail the different methods of ABO blood grouping

**Short notes**

**(10x5=50)**

3. Bombay blood group.
4. Sedimentation technique for cerebrospinal fluids.
5. Rh antibodies
6. Papanicolaou stain
7. Pre-storage filtration
8. Suggestion to minimize infectious hazards in lab.
9. International colour of blood labels.
10. Normal cells in cervical smear.
11. Anticoagulant solutions used in blood transfusion.
12. Cell cycle

**Answer briefly**

**(10x3=30)**

13. Spray fixatives.
14. ABO hemolytic disease of new born
15. Historical development of cytology.
16. Hemolytic transfusion reaction.
17. General guidelines for storing and handling chemicals & electrical equipments.
18. Pyrogens.
19. Normal cytology of esophagus.
20. Merits and demerits of ELISA tests.
21. Cytology of acute inflammatory process in cervical cytology.
22. Uses of cryoprecipitate