

Third Year B.Sc MLT Degree Supplementary Examinations, May 2014

CYTOLOGY & TRANSFUSION TECHNOLOGY

Time: 3 Hours

Total Marks: 100

- Answer all Questions.
- Draw Diagrams wherever necessary.

Essay

(2x10=20)

1. Name the different concentration methods used in cytology. Briefly discuss about each (3+7=10)
2. Discuss ABO blood grouping methods and the factors influencing it (6+4=10)

Short notes

(10x5=50)

3. Exfoliative cytology with five examples
4. Collection of material for cervical smear preparation.
5. Components of papanicolaou stain and composition of each
6. Demonstration of micro organisms on cytology smears
7. Cross matching"
8. Cryoprecipitate
9. Apheresis
- 10.Reverse grouping
- 11.Platelet-rich plasma
- 12.Graft-versus-host disease

Answer briefly

(10x3=30)

- 13.Drying artifact in cytology
- 14.Uses of carbowax in cytology
- 15.Normal cells of sputum
- 16.EA36
- 17.Giemsa staining in cytology
- 18.Low Ionic strength saline
- 19.Rouleaux
- 20.Storage of platelet concentrate
- 21.Copper sulphate method for hemoglobin screening
- 22.Exchange blood transfusion