## **QP CODE: 303012**

# Third Year B.Sc MLT Degree Supplementary Examinations March 2017

### **CYTOLOGY & TRANSFUSION TECHNOLOGY**

# Time: 3 Hours

- Answer all Questions.
- Draw Diagrams wherever necessary.

#### Essay

- 1. Enumerate the stains used in cytology. Describe the procedure of the commonest staining method used for wet fixed smears. Explain the problems in staining and the methods of correction. (2+4+4=10)
- 2. What are the advantages of blood components. Describe in detail the various blood components, its preparation, storage and uses. (3+7=10)

#### Short notes

- 3. Processing of sputum samples
- 4. Organization of cytology lab
- 5. Devices for collection of gynecological smears
- 6. Monolayer smear
- 7. Inflammatory lesions of female genital tract
- 8. MNS blood group system
- 9. Factors affecting antigen-antibody reactions
- 10. Acquired B antigen
- 11. Copper sulphate method of hemoglobin estimation
- 12. Blood storage lesions

#### **Answer briefly**

- 13. Spray fixatives
- 14. Shorrs stain
- 15. Cell block-preparation and uses
- 16. Rapid methods in cytology
- 17. Cells in urine cytology
- 18. Hemopoietic stem cell
- 19. Zeta potential
- 20. Deoxyribonucleic acid (DNA)
- 21. Massive transfusion
- 22. Elisa test

(10x3=30)

(10x5=50)

(2x10=20)

Total Marks: 100

Reg No:....