

Third Year B.Sc MLT Degree Examinations, November 2015

CYTOLOGY & TRANSFUSION TECHNOLOGY

Time: 3 Hours

Total Marks: 100

- Answer all Questions.
- Draw Diagrams wherever necessary.

Essay

(2x10=20)

1. Mention the methods of collection of non-gynecologic specimens. Discuss the methods of its preparation. (5+5=10)
2. Mention the mandatory transfusion transmitted screening tests in blood bank. Discuss the different types and principle of ELISA (enzyme linked immune sorbent assay). (3+7=10)

Short notes

(10x5=50)

3. CSF(cerebro-spinal fluid) cytology
4. Storage lesions of blood
5. Organization of cytology lab
6. Major and minor cross matching
7. Quality control in cytology
8. Packed red cells
9. Cell block
10. Standard operating procedure in blood banking
11. Hormonal cytology
12. Quality assessment of anti-A

Answer briefly

(10x3=30)

13. Maturation index
14. CPDA anticoagulant
15. Coating and spray fixation
16. Dangerous O group
17. MGG stain
18. Direct anti globulin test
19. Inflammatory lesions of female genital tract
20. International color coding of blood labels
21. Maintenance of cytological solutions and stains
22. Plasmapheresis