

Third Year B.Sc MLT Degree Examinations October 2017

CYTOLOGY & TRANSFUSION TECHNOLOGY

Time: 3 Hours

Total Marks: 100

- Answer all Questions.
- Draw Diagrams wherever necessary.

Essay

(2x10=20)

1. Enumerate the different types of gynecological smears. Mention the methods of collection.
Briefly explain liquid based cytology (2+4+4=10)
2. Mention briefly the significance of cross matching. Describe in detail the various methods of cross matching. (3+7=10)

Short notes

(10x5=50)

3. Fixatives in cytology
4. Concentration methods in cytology
5. Hormonal cytology – indications and procedure
6. Applications of FNAC
7. Preservation of body fluids
8. Kell blood group system
9. Malaria
10. Donor plasmapheresis
11. Hemolytic disease of newborn
12. Mitosis

Answer briefly

(10x3=30)

13. Ayre's spatula
14. Membrane filters in cytology
15. Special stains in cytology
16. Pre fixation
17. Uses of cervical smear study
18. Erythropoietin
19. Auto agglutination
20. Variants of A blood group and its significance
21. Refrigerated centrifuge
22. CPDA 1 anticoagulant