

QP CODE: 403012

Reg No:.....

Final Year B.Sc MLT Degree Examinations September 2017

HISTOTECHNOLOGY AND CYTOGENETICS

Time: 3 Hours

Total Marks: 100

- Answer all Questions.
- Draw Diagrams wherever necessary.

Essay

(2x10=20)

1. What are the aims of fixation. Classify fixative. Describe the preparation of 10% formalin. Discuss the advantages and disadvantages of formalin fixatives. (2+3+2+3)
2. What is barr body. Describe briefly the sampling and staining for the demonstration of barr body. Discuss the reporting and interpretation of the result. (2+5+3)

Short notes

(10x5=50)

3. The steps involved in mounting a specimen for museum
4. Automation in histopathology
5. Methods of microscopic examination of fresh tissue specimens
6. Demonstration of endogenous pigments in tissue
7. Embedding agents in histopathology
8. Karyotyping
9. Microtome knives
10. Alum haematoxylin
11. Decalcifying agents
12. Rapid processing

Answer briefly

(10x3=30)

13. Human sex chromosome
14. Wade Fite stain
15. Down syndrome
16. Chromosomal abnormalities
17. DPX
18. Poly L lysine
19. Chromosomal translocation
20. Enzyme histochemistry
21. Demonstration of fat in tissues
22. Types of museum jars
