

QP CODE: 403012

Reg No:.....

Final Year B.Sc MLT Degree Examinations September 2018

Histotechnology and Cytogenetics

Time: 3 Hours

Total Marks: 100

- Answer all Questions.
- Draw Diagrams wherever necessary.

Essay

(2x10=20)

1. Classify fixatives. Discuss the major uses and advantages of each type of fixative (4+6)
2. Discuss automation in histopathology. Add a note on automation in immunohistochemistry. (6+4)

Short notes

(10x5=50)

3. Fluorescent In Situ Hybridization (FISH)
4. Different types of microtome knives and their uses
5. Principle and uses of enzyme histochemistry.
6. Kaiser ling's technique for mounting of specimens in museum
7. Chromosome changes in neoplastic disease
8. Scanning electron microscopy
9. Reticulin staining - principle and uses
10. Describe various methods of decalcification.
11. Vacuum impregnation
12. Describe the method of preparation of Harris hematoxylin

Answer briefly

(10x3=30)

13. Cryostat
14. Hot air oven in histopathology
15. Perls staining
16. What are deeper sections in histopathology
17. Removal of formalin pigment.
18. Acetoorcein.
19. Adhesives in histopathology
20. Squash preparation
21. Turner syndrome
22. Clearing agents
