

**QP Code: 102384**

**Reg. No.....**

**First Year M.Sc. MLT Degree Regular/Supplementary Examinations  
December 2019  
(Pathology)**

**Paper II - Histopathology**

**Time: 3 hrs.**

**Max. marks: 100**

- **Answer all questions**
- **Draw diagrams wherever necessary**

**Essays:**

**(10x10=100)**

1. Describe the factors affecting the quality of fixation.
2. Describe the reception and grossing of specimens in a histopathology laboratory.
3. Mention the factors influencing the rate of processing and discuss the various types of dehydrating agents.
4. Describe the different types of microtomes and knives.
5. Describe the principle of haematoxylin staining and the preparation of two alum haematoxylin solution.
6. Discuss the demonstration of elastic tissue fibres.
7. Describe in detail the periodic acid Schiff technique.
8. Describe the various methods for unmasking of antigen sites in immunohistochemistry procedures.
9. Describe the classification of mounting medium and explain the technique of mounting a paraffin section.
10. Describe in situ hybridization methods in histology.

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