

**QP Code: 102384**

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

**First Year M.Sc. MLT Degree Regular/Supplementary Examinations**

**August 2024**

**(Pathology)**

**Paper II - Histopathology**

**Time: 3 hrs.**

**Max. marks: 100**

- *Answer all questions to the point neatly and legibly • Do not leave any blank pages between answers • Indicate the question number correctly for the answer in the margin space*
- *Answer all parts of a single question together • Leave sufficient space between answers*
- *Draw table/diagrams/flow charts wherever necessary*

**Essays:**

**(10x10=100)**

1. Mention different artefacts in section cutting. Discuss causes and remedies of such artefacts.
2. Decalcification methods.
3. Quality control in histopathology.
4. Explain about Trichrome staining under the following headings - Principle, types, factors affecting, uses.
5. Describe about microanatomical fixatives. Add a note on factors affecting fixation.
6. Different types of embedding media.
7. Describe immunohistochemistry procedure. Mention any five markers used in IHC and their indications.
8. Describe the principle and applications of electron microscopy.
9. Enumerate different types of hematoxylin. Mention how it is prepared and the differences between them.
10. Automated tissue processing.

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