

[LP 1019]

OCTOBER 2019

Sub. Code: 1264

**M.Sc. MEDICAL LABORATORY TECHNOLOGY EXAMS
SECOND YEAR
PAPER IV – TECHNIQUES IN HISTOPATHOLOGY AND CYTOLOGY**

Q.P. Code: 281264

Time: Three hours

Maximum: 100 Marks

I. Elaborate on:

(2 x 20 = 40)

1. Define Fixation. Classify and elaborate on the aims and function of an ideal fixative. Write a note on Automated Tissue Processor.
2. What is Exfoliative Cytology? Write a note on specimen collection, preservation, smearing technique and preparation of smears.

II. Write notes on:

(10 x 6 = 60)

1. What are the stains used for detection of Mucin. Write the principle, procedure and use of PAS stain.
2. Elaborate on the various Embedding Media used in Histopathology. Mention the technique of impregnation.
3. Write a note on Decalcifying agents.
4. What are the properties of a good clearing agent? Mention few clearing agents used in the Histopathology Laboratory.
5. Write a note on Automation in Histopathology.
6. Describe the various faults in section cutting and mention their remedial measures.
7. Write a note on stains used for elastic fibres.
8. Write a note on Bouin's Fixative.
9. What is the principle of Trichrome stain? Mention 2 examples with its uses.
10. Write the principle, procedure and use of Grocott-Gomori Methanamine Silver Stain (GMS).
