

[LJ 0816]

AUGUST 2016

Sub. Code: 5016

**B.Sc. MEDICAL LABORATORY TECHNOLOGY
SECOND YEAR**

PAPER I – HISTOPATHOLOGY AND CYTOLOGY TECHNIQUES

Q.P. Code: 725016

Time: Three Hours

Maximum: 100 Marks

Answer all questions

I. Elaborate on: **(3 x 10 = 30)**

1. Write advantages and disadvantages of both manual and automatic methods of tissue processing.
2. Write the technique of frozen section. Enumerate the stains for lipids.
3. What is exfoliative cytology? Write in detail about PAP Staining.

II. Write notes on: **(8 x 5 = 40)**

1. Fine Needle Aspiration Cytology.
2. Mounting specimens for museum.
3. Microwave processing.
4. Safety measures in Histopathology Lab.
5. Glutaraldehyde Fixative.
6. Mucin Stains.
7. Decalcification.
8. Embedding Media.

III. Short answers on: **(10 x 3 = 30)**

1. Autolysis.
2. Bouin's Fixative.
3. Melanin Bleach.
4. Cytospin.
5. Stropping.
6. Ripening of Stain.
7. Clearing Agents.
8. Mountants.
9. Acid Fast Staining.
10. Adhesives.
