

[LF 0212]

AUGUST 2014

Sub. Code: 5016

**B.Sc. MEDICAL LABORATORY TECHNOLOGY  
SECOND YEAR  
PAPER I – HISTOPATHOLOGY & CYTOLOGY TECHNIQUES  
Q.P. Code : 725016**

**Time: Three hours**

**Maximum : 100 Marks**

**Answer All Questions**

**I. Elaborate on:**

**(3 x 10 = 30)**

1. Mention the various types of hematoxylin. Explain Harris hematoxylin.
2. Write the principle and applications of immunohistochemistry.
3. Explain the principle, procedure and applications of the PAS stain.

**II. Write Notes on:**

**(8 x 5 = 40)**

1. Glutaraldehyde fixative.
2. Automatic tissue processor.
3. Types of mountants.
4. Mention the stains for amyloid and explain one.
5. Mounting of specimens for museum.
6. Trouble shootings in section cutting.
7. Stain for iron.
8. Cryostat.

**III Short Answers on:**

**(10 x 3 =30)**

1. Ribboning of sections.
2. Xylene.
3. Differentiation.
4. Antigen retrieval.
5. Barcode in histopathology.
6. Autolysis.
7. Automatic stainer.
8. Zenkers fixative.
9. Safety measures on histopathology laboratory.
10. Decalcifying solution.

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