

[LH 0815]

AUGUST 2015

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. Explain the technique of Fluorescence In Situ Hybridization (FISH) and its importance in diagnosis
2. Write in detail about automatic tissue processor.
3. What the different types of embedding media? Mention the advantages and disadvantages of each.

II. Write notes on:

(8 x 5 = 40)

1. Schiff's agent.
2. Stains for elastic fibres.
3. Embedding media.
4. Progressive staining.
5. Types of microtome knives.
6. Mordants.
7. Cytospin.
8. Exfoliative cytology.

III. Short answers on:

(10 x 3 = 30)

1. The cells seen in a normal vaginal smear.
2. Perl's stain.
3. Adhesive agents.
4. Any 3uses of microwave processing.
5. Waterbath in histopathologic techniques.
6. Collection of sputum for cytology.
7. Melanin bleach.
8. Ripening.
9. Stains used in Amyloid.
10. Dehydrating agents.
