

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. Enumerate the embedding media. Write in detail the common embedding media used in histopathology.
2. Define fixation. Discuss the various fixatives and write in detail the method of formalin fixation.
3. Classify Haematoxylin. Write in detail the preparation of Harris Haematoxylin.

II. Write notes on:

(8 x 5 = 40)

1. Frozen section.
2. Automatic tissue processor.
3. Vaginal cytology.
4. Types of Microtome knives.
5. Problems faced during section cutting.
6. Chelating decalcifying agents.
7. PAS stain.
8. Sputum cytology.

III. Short answers on:

(10 x 3 = 30)

1. Metachromatic stains.
2. Differentiation.
3. Progressive staining.
4. Reception of specimen.
5. Counter stains.
6. Waterbath in histopathology techniques.
7. Silver stains.
8. Four paraffin wax additives.
9. Antigen Retrieval.
10. Barcode in histopathology.