

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. Explain the principle, procedure and applications of Reticulin staining.
2. What is FNAC? Describe the technique of FNAC, smear preparation, staining and applications of FNAC.
3. Define and Classify Fixatives. Describe in detail about Aldehyde fixatives.

II. Write notes on:

(8 x 5 = 40)

1. Automatic tissue processor.
2. Problems faced during section cutting.
3. Cell block preparation and its applications.
4. Chelating decalcifying agents.
5. Exfoliative cytology.
6. Types of Hematoxylin.
7. Clearing agents.
8. May GrunwaldGiemsa staining.

III. Short answers on:

(10 x 3 = 30)

1. Uses of cytospin.
2. Preservation of blocks.
3. Melanin bleach.
4. Double embedding.
5. Honing.
6. Cells seen in Vaginal smear.
7. Mounting media.
8. Blueing.
9. Four paraffin wax additives.
10. Progressive staining.
