

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 various Decalcifying agents. Discuss in detail about the indications and procedure of decalcification. Add a note on surface decalcification.
2. Discuss in detail the types, procedure and applications of Liquid Based Cytology.
3. Explain the principle, procedure and applications of Periodic Acid Schiff staining.

II. Write notes on:

(8 x 5 = 40)

1. Safety precautions in histopathology laboratory.
2. Stains for amyloid.
3. Care and maintenance of Rotary microtome.
4. Neutral buffered formalin-preparation and uses.
5. Paraffin wax- melting point, additives and uses.
6. Dehydrating agents.
7. Describe any one embedding technique.
8. Museum mounting techniques.

III. Short answers on:

(10 x 3 = 30)

1. Spray fixative.
2. Uses of cytospin.
3. Expand FISH and mention any one use.
4. Secondary fixation.
5. L-mould.
6. Wade FiteFaraco stain uses.
7. Uses of microwave processing in histopathology.
8. Clearance angle.
9. Meyer's albumin.
10. Stropping.
