

[AHS 0321]

MARCH 2021

Sub. Code: 5016

(AUGUST 2020 EXAM SESSION)

B.Sc. MEDICAL LABORATORY TECHNOLOGY**SECOND YEAR (From 2010-2011 onwards)****PAPER I – HISTOPATHOLOGY AND CYTOLOGY TECHNIQUES*****Q.P. Code : 725016*****Time: Three hours****Answer ALL Questions****Maximum: 100 Marks****I. Elaborate on:****(3 x 10 = 30)**

1. What is tissue processing? Describe in detail about different stages of Tissue processing.
2. Enumerate the cytological stains. Describe in detail about the composition, preparation, staining procedure and advantages of May Grunwald Giemsa staining.
3. What is PAS? Explain the principle, procedure and applications of PAS staining.

II. Write notes on:**(8 x 5 = 40)**

1. Define and Classify Fixative.
2. What is Microtome? Write about Rotary Microtome.
3. Enumerate amyloid stains and write the procedure of congo red staining.
4. How to prepare cell block and mention about its application.
5. What is FNAC? Write about the advantages and disadvantages.
6. Reticulin staining.
7. Honing and stropping.
8. Museum techniques.

III. Short answers on:**(10 x 3 = 30)**

1. Types of Microtome Knives.
2. Enumerate 3 Fat stains.
3. What is Decalcification? Write any 2 decalcifying fluids.
4. What is mounting medium? Write any 2 different mounting medias.
5. Enumerate the Types of Microscope.
6. Spray fixative.
7. Write the composition of PAP Stain.
8. What is Antigen retrieval.
9. Uses of Water bath in histopathology.
10. Write briefly on Mordant.
