

2112H030

BACHELOR OF VOCATION
Medical Laboratory Technology (MLT)
Subject: Histopathology and Histotechniques - I
Subject Code: MLT606
Semester: Third
December 2021
Theory (External): 35 Marks
Time: 03 Hours

Instructions to the Students

1. This Question paper consists of two Sections. All sections are compulsory.
2. Section A comprises 5 questions of short answers type in nature. All questions are compulsory. Each question carries 1 mark.
3. Section B comprises 8 essay type questions out of which students need to do any 5. Each question carries 5 marks.
4. Read the questions carefully and write the answers in the answer sheets provided.
5. Do not write anything in the question paper.
6. Wherever necessary, the diagram drawn should be neat and properly labelled

Roll Number									

SECTION -A (SHORT/OBJECTIVE TYPE QUESTIONS)
(10 x 1 = 10 Marks)

- A Specimen identification and labeling
- B Classification of Tissue Fixatives
- C Various types of Microtome
- D Hematoxylin and Eosin staining
- E PAP Staining
- F Principles of Immunohistochemistry
- G Cryostat functions and methods
- H Grossing of tissues
- I Methods of decalcification
- J Mordant, Accelerators and Accentuators

SECTION -B (ESSAY TYPE QUESTIONS)
(5 x 5 = 25 Marks)

- Q1 What are the equipments used and how is maintenance of equipments done in a histopathology lab?
- Q2 What is Frozen Sectioning? Explain its uses and importance and describe the methods of frozen sectioning
- Q3 What is Embedding? Write a note on uses and importance of Paraffin Wax in Embedding
- Q4 Define Decalcification. What are the various methods used in decalcification? Explain electrolytic decalcification
- Q5 What are tissues? Give their broad classification in detail and their functions
- Q6 What is tissue processing and microtomy? Explain the errors that may occur during microtomy along with their remedies
- Q7 Write a note on principles of immunohistochemistry and explain its importance in diagnostics.
- Q8 Write a note on various staining techniques in histopathology.

*****END OF PAPER*****