

BACHELOR OF VOCATION
Medical Laboratory Technology
Subject: Histopathology and Histotechniques - I
Subject Code: MLT606
Semester: Third
January 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 10 questions of short answers type in nature. All questions are compulsory. Each question carries 1 mark.
3. Section B comprises 8 essay type questions. Attempt any 5 questions. 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

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

- A Principles of Immunohistochemistry
- B Cryostat functions and methods
- C Types of embedding agents
- D Methods of decalcification
- E Define:
 - a) Acidic Dye
 - b) Natural Dye
- F Specimen identification and labeling
- G Classification of Tissue Fixatives
- H Grossing of tissues
- I Mordant, Accelerators and Accentuators
- J PAP Staining

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

- Q1 What is tissue fixation? Classify various types of fixatives and mention their uses.
- Q2 What is a microtome? Write a note on its types and working.
- Q3 What is Vital Staining? Describe about Hematoxylin and Eosin staining in Histopathology.
- Q4 What are the equipments used and how is maintenance of equipments done in a histopathology lab?
- Q5 Define Decalcification. What are the various methods used in decalcification? Explain electrolytic decalcification
- Q6 Explain Section cutting. Explain the faults that may occur with section cutting process and its remedies.
- Q7 Write a note on reception, recording and labeling of tissue specimens
- Q8 Write a note on Museum techniques. How do you conduct mounting of specimens?

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