

Roll No.

Total No. of Pages : 02

Total No. of Questions : 09

B.Sc. (Medical Lab Sciences) (Sem.-5)

**HISTOTECHNOLOGY-I**

Subject Code : BMLS504-18

M.Code : 78371

Date of Examination : 24-05-2023

Time : 3 Hrs.

Max. Marks : 60

**INSTRUCTIONS TO CANDIDATES :**

1. SECTION-A is COMPULSORY consisting of TEN questions carrying TWO marks each.
2. SECTION-B contains FIVE questions carrying FIVE marks each and students have to attempt any FOUR questions.
3. SECTION-C contains THREE questions carrying TEN marks each and students have to attempt any TWO questions.

**SECTION-A**

**1. Explain briefly :**

- a) Ion exchange resins.
- b) Antigen retrieval.
- c) Aniline water & buffers.
- d) Electrophoretic decalcification.
- e) Mounting media.
- f) Paraffin wax.
- g) Chelating agents.
- h) Plastic embedding.
- i) PAP stain
- j) Metachromasy.

## SECTION-B

2. Explain the working principle of Automatic Tissue Processor.
3. What are the types of microtome knives? Explain the method of honing and stropping.
4. What is bluing in H & E staining? Name various bluing agents.
5. Write in detail about safety measures in histopathology laboratory.
6. Describe any one embedding techniques. Discuss various types of embedding media used in processing of tissues.

## SECTION-C

7. Classify various types of bacteria and methods used for staining.
8. Write a detailed note on collection and transportation of CSF.
9. Describe about frozen section along with its procedure. What are the advantages and disadvantages of frozen section?

**NOTE : Disclosure of Identity by writing Mobile No. or Making of passing request on any page of Answer Sheet will lead to UMC against the Student.**