

Roll No.

Total No. of Pages : 02

Total No. of Questions : 09

B.Sc. (MLS) (Sem.-5)

HISTOTECHNOLOGY-I

Subject Code : BMLS-504-18

M.Code : 78371

Date of Examination : 16-12-2022

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. Write briefly :

- a) What is Pink disease?
- b) Mention the purpose of Fixation.
- c) List the types of microtomes.
- d) Define the terms: Cytogenetics & Karyotype.
- e) What is washing out?
- f) List Factors affecting staining Time in H and E.
- g) What is antigen retrieval?
- h) List Types of Biopsies.
- i) Classify microtome knives according to their cross-section,
- j) Outline the principle of each Congo red staining procedure.

SECTION-B

2. Define the following as applied in histopathological staining: Vital staining Mordants & Accentuators.
3. Write a note on PTAH.
4. Describe the process of Embedding tissues for histological examination.
5. Explain the working principle of Automatic Tissue Processor.
6. Write about special fixatives for demonstration of various tissue elements.

SECTION-C

7. Classify the dyes used for staining and mention their principle.
8. Mention the purpose, principle and method of Decalcification. Discuss in detail various types of decalcifying fluids.
9. Write a detailed note on collection and transportation of CSF.

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.