

Roll No.

Total No. of Pages : 02

Total No. of Questions : 09

B.Sc.(MLS) (2014 to 2017) (Sem.-4)

HISTOTECHNOLOGY-I

Subject Code : BMLS-404

M.Code : 48119

Date of Examination : 22-12-22

Time : 3 Hrs.

Max. Marks : 60

INSTRUCTION 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 are histotechnology and its role?
- b) Enlist the method used for the care of equipment used in histotechnology.
- c) What are compound fixatives?
- d) Write examples of chelating agents used as decalcifying fluids.
- e) Enlist the various types of embedded media.
- f) Why control is used in staining procedures?
- g) Mention the mechanism of satin used in the staining process.
- h) What is manual staining?
- i) What is PTAH?
- j) Name various kinds of microtome used for section cutting.

SECTION-B

2. Discuss in detail about applications of microtomes.
3. Write the procedure for histological examination.
4. Explain safety measures in the histopathology laboratories.
5. How collection and transportation of specimens for histological examination?
6. Write down the criteria for good decalcification agents.

SECTION-C

7. Write a detailed note on the basic concept of routine methods of examination of tissues.
8. Describe the general staining procedure for paraffin-infiltrated and embedded tissues.
9. Illustrate faults in the paraffin section cutting with reason and remedy, and spreading the section to glass slides.

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.