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Total No. of Questions : 09

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

HISTOTECHNOLOGY-I

Subject Code : BMLS-404

M.Code : 48119

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 a note on :**

- A) What is histopathology?
- B) What is haemorrhage?
- C) Name the different shapes of knife used in routine microtome.
- D) Define Mordant.
- E) Name the different type of haematoxylin.
- F) What is differentiation?
- G) What is embedding media?
- H) Define Preservatives.
- I) What is Stropping?
- J) Write a short note on Impregnation technique.

SECTION-B

2. Describe the procedure of routine tissue processing.
3. Discuss the theories of staining.
4. Why the labelling and cataloguing of slides is important?
5. Describe any two aqueous Mounting Media and their composition.
6. Write in brief paraffin block preparation.

SECTION-C

7. What is surface decalcification? Discuss various methods for decalcification.
8. What is cryostat? Briefly explain the various types of freezing microtome.
9. Describe the routine staining procedure of mallory's phosphotungstic acid haematoxylin staining for paraffin and frozen sections.

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.