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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 : 19-06-2025

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. Write two uses of immune-histochemistry.
- b. What is the natural source of haemotoxylin?
- c. Write a short note on Ion exchange resins.
- d. What do you mean by Antigen retrieval?
- e. Name any two special stains.
- f. Discuss about Aniline water & buffers.
- g. What do you understand by Electrophoretic decalcification?
- h. Write about the two factors affecting rate of fixation.
- i. Define the term mounting media.
- j. Mention the purpose of section cutting.

SECTION - B

2. Describe any one embedding technique. Discuss the various types of embedding media used in processing of tissues.
3. Write briefly a note on PTAH.
4. Write in detail about safety measures in histopathology laboratory.
5. Discuss commonly used mountants in histotechnology lab.
6. Write a short note on the Nuclear and cytoplasmic stains.

SECTION - C

7. Write a detailed note on the collection and transportation of CSF.
8. Discuss in detail about general procedure for paraffin infiltrated tissues.
9. Define tissue fixation. Classify the various fixatives used in histopathology laboratory giving examples.

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.