Roll No. Total No. of Pages : 02

Total No. of Questions: 09

# B.Sc (MLS) (Sem.-6) HISTOTECHNOLOGY-II & CYTOLOGY

Subject Code: BMLS605-18

M.Code: 79488

Date of Examiation: 16-05-2023

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. Write briefly:

- a) Define histotechnology.
- b) Give any two examples of proteins.
- c) Define carbohydrates with examples.
- d) How pigments can be removed from tissue sections?
- e) Which type of staining procedure is used for detection of elastic and collagen fibers?
- f) What do you understand by term 'Enzyme histochemistry'?
- g) What do you mean by special stain? Give examples.
- h) Define proteins.
- i) Define cancer immunology with examples.
- i) What is the importance of HLA typing?

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# **SECTION-B**

- 2. Discuss in brief about autoimmune disorders.
- 3. Define bone calcification and brief about under calcified bones.
- 4. Write in detail about aspiration cytology principles.
- 5. Discuss the role of cytotechnologist in FNAC clinics.
- 6. Elaborate applications of cryostat sectioning.

# **SECTION-C**

- 7. Write detailed note on Neuropathological techniques.
- 8. Write detailed account on diagnostic applications & demonstration of Phosphatases and Peroxidases.
- 9. Describe in detail about exfoliative cytology.

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.

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