

Roll No. 

Total No. of Pages : 02

Total No. of Questions : 09

**B.Sc.(MLS) (2011 to 2017) (Sem.-5)**  
**HISTOTECHNOLOGY-II & CYTOLOGY**  
Subject Code : BMLS-504  
Paper ID : [D1168]

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****Q1. Answer briefly :**

- a. Name two mercury containing fixatives.
- b. What is the role of section adhesives?
- c. Name the different stains for elastic fibres.
- d. What are the different strains of vaginal smears cytology?
- e. What is hybridization?
- f. Write a short note on FNAC.
- g. What is the principle of PAS staining technique?
- h. Write a short note on enzyme histochemistry.
- i. What is a cryostat?
- j. What are cytological fixatives?

**SECTION-B**

- Q2. Write a note on cancer immunology.
- Q3. Discuss the various methods to demonstrate the nucleic acids.
- Q4. Give the composition and method of rhodamine for silver.
- Q5. Explain the various methods of antigen retrieval for immunohistochemistry.
- Q6. Describe the method of silver staining for decalcified bones.

**SECTION-C**

- Q7. Describe the technique of frozen section and discuss the different stains used in frozen sections.
- Q8. Write the principle and applications of immunohistochemistry. Describe the peroxidase method in detail.
- Q9. What is exfoliative cytology? Explain the procedure of PAP staining for cervical smears.

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