

### SECTION-C

**Note:** Long answer type questions. Attempt any three questions. 3x10=30

- Q.3 Draw a labelled diagram of a cell and explain the functions of each part.
- Q.4 List various types of hones used in histopathology lab. Explain the procedure of honing by manual method.
- Q.5 Draw a automatic tissue processor. What are the various steps are being carried out by this machine?
- Q.6 Describe the various types of fixatives, give their composition and advantages.
- Q.7 Explain the role of staining in histopathological laboratory.

(100)

(4)

031926/1915

No. of Printed Pages : 4

Roll No. ....

031926/1915

**2nd Sem. / DMLT**

**Subject : Histopathology - 1**

Time : 3 Hrs.

M.M. : 100

**Note:** Draw diagrams wherever its necessary.

### SECTION-A

**Note:** Very Short Answer type questions. Attempt any 15 parts. (15x2=30)

- Q.1
- Define histopathology.
  - Define putrefication.
  - What is mordant. Give its example.
  - Give any two advantages of cryostat.
  - Write any two advantages of formalin.
  - Name any two types of embedding medium.
  - What are dehydrating agents.
  - What is regressive stain.

(1)

031926/1915

- i) Define solvent.
- j) Name two aqueous mountants.
- k) What are accelerators.
- l) Name any two microtomes.
- m) What is biopsy.
- n) Define fine cutting.
- o) Give the full form of H&E and ZN staining.
- p) Name two synthetic mountants.
- q) What is blocking.
- r) Write 2 disadvantages of fixatives.
- iii) Explain the care and maintenance of freezing microtome.
- iv) Explain the application of resinous mountants.
- v) Define simple and compound fixatives. Also give its examples.
- vi) Explain the use of tissue flotation bath.
- vii) How the histopathological samples are preserved in museum.
- viii) Give the significance of counter staining.
- ix) Give the procedure of H&E staining.
- x) Briefly explain the cutting faults in sections and their remedies.
- xi) Define blueing and hydration.
- xii) Write in brief about celloidin embedding.
- xiii) Write the principle of rotatory microtome.
- xiv) What are crushed smears.
- xv) Explain paraffin embedding.

### SECTION-B

**Note:** Short answer type questions. Attempt any ten parts  
10x4=40

- Q.2
- i) Write short note on grossing of sample.
  - ii) Explain the method of preparing tissue block by using paraffin wax with L moulds.

(2)

031926/1915

(3)

031926/1915