

**4th Sem./ DMLT, DMLT
(For Speech and Hearing Impaired)
Subject : Immunopathology and Cytology**

Time : 3 Hrs.

M.M. : 60

SECTION-A

Note: Multiple choice questions. All questions are compulsory (6x1=6)

- Q.1 PAS stain is used for the identification of _____?
a) Fat b) Alcohol
c) Carbohydrates d) Protein
- Q.2 What is the pH of hematoxylin stain?
a) 11.4 to 13.4 b) 7.4 to 7.6
c) 2.4 to 2.9 d) None of above
- Q.3 Study of dead tissue is known as _____?
a) Biopsy b) Autopsy
c) Fixation d) Museum
- Q.4 Minimum time for wet fixation is aspiration cytology is _____?
a) 15 mm b) 30 mm
c) 60 mm d) 75 mm

Q.5 The capacity of disposable syringe for FNA should be

- a) 5 - 10 ml
- b) 10 - 12 ml
- c) 10- 20 ml
- d) 25 - 30 ml

Q.6 Tissue cutting is done by

- a) Microscope
- b) Macro scope
- c) Microtome
- d) None of above

SECTION-B

Note: Objective/ Completion type questions. All questions are compulsory. (6x1=6)

Q.7 Define Automation in Cytology.

Q.8 What are counter stains.

Q.9 Expand FNAC and ABC.

Q.10 Define Mounting.

Q.11 Define Staining.

Q.12 Name two decalcifying agents.

SECTION-C

Note: Short answer type questions. Attempt any eight questions out of ten questions. (8x4=32)

Q.13 Differentiate between Gram positive and Gram-negative staining method.

Q.14 Explain Z-N staining with procedure.

Q.15 Write a detailed note on freezing microtome.

Q.16 Explain the mounting of Frozen section.

Q.17 Label & draw the diagram of five instruments used in Autopsy.

Q.18 Write a note on Gram stain method.

Q.19 Write a short note on cytopspin.

Q.20 Write down the various applications of FNAC.

Q.21 Describe the principle & interpretation of PAS staining.

Q.22 Why museum is important in Histopathology?

SECTION-D

Note: Long answer type questions. Attempt any two questions out of three questions. (2x8=16)

Q.23 Explain in detail about the working & parts of cryostat.

Q.24 Write down the types & purpose of Autopsy. Also mention the equipments used for Autopsy.

Q.25 Write a short note on

- a) MGG Stain

- b) PAP Stain