

No. of Printed Pages : 4
Roll No.

221946

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

Time : 3Hrs. M.M. : 60

SECTION-A

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

- Q.1 Which special stain is used to demonstrate glycogen in tissues?
a) Alcian blue
b) Periodic acid-Schiff (PAS) stain
c) Masson's trichrom d) Sudan black
- Q.2 What is the primary purpose of fixation in tissue processing?
a) To stain the tissue
b) To kill microorganisms
c) To preserve tissue architecture and prevent autolysis
d) To hydrate the tissue
- Q.3 The primary purpose of museum specimens in medical education is:
a) Entertainment b) Artistic display

- c) Teaching and reference
d) Decoration

- Q.4 The main purpose of aspiration cytology is to:
a) Identify bone structure
b) Assess cell morphology
c) Remove tumor mass
d) Study tissue architecture in detail
- Q.5 The Romanowsky group of stains includes all except:
a) Giemsa b) Leishman
c) Pap Stain d) Wright
- Q.6 Masson's trichrome stain is used primarily to differentiate:
a) Nuclei from cytoplasm
b) Muscle from connective tissue
c) Neurons from gilal cells
d) RBCs from WBCs

SECTION-B

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

- Q.7 _____ stain is used to detect polyaccharides.
Q.8 _____ is an instrument to freeze the tissue.

(1)

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(2)

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- Q.9 Define autopsy.
- Q.10 Anesthesia is required in FNAC. True/False
- Q.11 Expand HCG.
- Q.12 What is mounting.

SECTION-C

Note: Short answer type questions. Attempt any eight questions out of ten questions. $(8 \times 4 = 32)$

- Q.13 Write the procedure of gram staining method.
- Q.14 What are decalcifying agents? How are they classified?
- Q.15 Enlist the various steps of tissue processing.
- Q.16 Write about the reception and precessing of frozen tissue.
- Q.17 Give a brief account of cataloguing of museum specimens.
- Q.18 Write a note on the instruments used in autopsy procedure.
- Q.19 Write the uses of FNAC.
- Q.20 Briefly discuss the HCG hormone along with its applications.
- Q.21 What is cytospin and give its uses.
- Q.22 Write a short note on assessment of decalcification.

SECTION-D

Note: Long answer type questions. Attempt any two questions out of three questions. $(2 \times 8 = 16)$

- Q.23 Give the principle and procedure of PAS staining method.
- Q.24 Explain about the advancements in histopathology laboratory.
- Q.25 Give a brief account of autopsy procedure.