

SECTION-D

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

- Q.23 Give the principle and procedure of AFB staining method.
- Q.24 Describe the principle and procedure of H & E staining method.
- Q.25 Explain the procedure of autopsy examination.

No. of Printed Pages : 4

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Roll No.

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

Time : 3 Hrs.

M.M. : 60

SECTION-A

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

- Q.1 Which stain is used to demonstrate iron in tissues?
- a) Giemsa b) Prussian blue
c) Sudan III d) PAS
- Q.2 What is the most commonly used fixative in histopathology?
- a) Ethanol
b) Glutaraldehyde
c) Formalin (10% neutral buffered formalin)
d) Acetone
- Q.3 Which of the following is not typically required for FNAC procedure
- a) Syringe b) Glass slide
c) Local anesthesia d) Needle

- Q.4 Which stain is used to demonstrate mucin in cytological smears?
- Ziehl-Neelsen
 - Periodic acid-Schiff (PAS)
 - Giemsa
 - Masson's trichrome
- Q.5 Reticulin stain is used to demonstrate:
- Elastic fibers
 - Nerve endings
 - Reticular fibers (type III collagen)
 - Muscle fibers
- Q.6 Which of the following is not a component of Kaiserling's solution?
- Formalin
 - Sodium chloride
 - Potassium nitrate
 - Ethanol

SECTION-B

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

- Q.7 The aim of fixation is to _____ cells and tissue constituents.

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- Q.8 Oil red O stain is used for _____ staining.
- Q.9 Name any two fixatives.
- Q.10 Autopsy procedure is used for external examination and _____ examination.
- Q.11 _____ method is used to take sample from superficial mass by sharp needle.
- Q.12 HCG test is done for _____.

SECTION-C

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

- Q.13 Write the principle of ZN staining method.
- Q.14 Give the properties of ideal decalcification agents.
- Q.15 Write a short note on care and maintenance of freezing microtome.
- Q.16 What are the uses of autopsy?
- Q.17 Write the composition of Kaiserling II solution.
- Q.18 Briefly discuss about the FNAC method with diagram.
- Q.19 Write a short note on automation in cytology.
- Q.20 Explain the procedure of pregnancy test.
- Q.21 How will you preserve museum specimens?
- Q.22 Explain the process of frozen section cutting.

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