

Q.6 Which tissue taken for diagnosis from the living body is?

- a) Biopsy
- b) Autopsy
- c) Tissue
- d) All above

Q.7 FNAC is _____

- a) Fine needle aspiration cytology
- b) Fine needle separation cytology
- c) Five needle cytology
- d) None

Q.8 Hematoxyline stains which part of the cell

- a) Nuclear Part
- b) Cytoplasmic part
- c) Both A & B
- d) Mitochondria

Q.9 Which is used as a mordant in hematoxyline stain

- a) Hematoxyline
- b) Eosin
- c) Alum
- d) None

Q.10 Which is used as counter stain in PAS staining method

- a) Periodic stain
- b) HCL
- c) Hematoxylin
- d) Acid-Alcohol

SECTION-B

Note: Objective type questions. All questions are compulsory. (10x1=10)

Q.11 What is decalcification?

Q.12 What are cancer cells?

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Q.13 Full form of HCG is _____.

Q.14 Define autopsy.

Q.15 Give the use of objectives in light microscope.

Q.16 Oil red O stain is used for _____ staining.

Q.17 Which gas is used in cryostat?

Q.18 Increase in temperature will _____ the decalcification.

Q.19 What is a museum?

Q.20 No Anesthesia is required in FNAC. (True/False)

SECTION-C

Note: Short answer type questions. Attempt any twelve questions out of fifteen questions. (12x5=60)

Q.21 Draw a well labeled diagram of microscope.

Q.22 What is a cytospin?

Q.23 Write the composition of Kaiserling solution II?

Q.24 Give the method of smear preparation.

Q.25 Write a short note on mounting of frozen sections?

Q.26 Give the composition of Perernyi's fluid?

Q.27 List the equipments used for the autopsy?

Q.28 Give a brief account on pregnancy test?

Q.29 Differentiate between benign and malignant cells?

Q.30 Write a note on FNAC?

Q.31 Give the principle of phase contrast microscopy?

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- Q.32 Write the principle of PAP staining method?
Q.33 How we can take sample for detection of sex chromatin?
Q.34 Give a brief account of PAS stain.
Q.35 Write a brief note on care and maintenance of microscope.

SECTION-D

Note: Long answer type questions. Attempt any two questions out of three questions. (2x10=20)

- Q.36 Explain the principle and procedure of AFB staining method?
Q.37 Give in detail about the automation in Cytology?
Q.38 Write a detailed note on cataloguing of Museum specimens?

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4th Sem / Branch : DMLT
Sub.: Histopathology & Cytology - II

Time : 3Hrs.

M.M. : 100

SECTION-A

Note: Multiple choice questions. All questions are compulsory (10x1=10)

- Q.1 In freezing microtome which gas is used?
a) Oxygen b) Carbon dioxide
c) Lithium d) Hydrogen
- Q.2 Clearing fluids make the tissue?
a) Hard b) Transparent
c) Soft d) Turbid
- Q.3 Which is commonly used mounting media?
a) Canada Balsam b) Permount
c) DRX d) Clarite
- Q.4 Fixatives prevents the cell from
a) Autolysis b) Putrefaction
c) Both A & B d) None
- Q.5 Which embedding media is most popular?
a) Cellodin b) LVN
c) Carbowax d) Paraffin Wax

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