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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

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?

- 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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