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4th Sem / DMLT
Subject:- Histopathology and Cytology - II

Time : 3Hrs. M.M. : 100

SECTION-A

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

- Q.1 Most commonly used decalcifying fluid is?

 - a) 10% nitric acid
 - b) Formic acid
 - c) EDTA
 - d) Ethanol

Q.2 Alum in H & E acts as

 - a) Oxidizing agent
 - b) Mordant
 - c) Blueing agent
 - d) None

Q.3 Which is commonly used mounting media?

 - a) Canada Balsam
 - b) Permount
 - c) DRX
 - d) Clarite

Q.4 Which of the following is not a natural stain.

 - a) Brazilin
 - b) Carmine
 - c) Safranin
 - d) Hematoxylin

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- Q.5 Which embedding media is most popular?

 - a) Cellodin
 - b) LVN
 - c) Carbowax
 - d) Paraffin Wax

Q6 _____ is used as cooling agent in freezing microtome.

 - a) Oxygen
 - b) Monoxide
 - c) CO
 - d) CO₂

Q.7 FNAC is taken from

 - a) Lymph node
 - b) Breast lump
 - c) Nodules
 - d) All options

Q8 After section cutting, knife should be.

 - a) Dry
 - b) Oiled
 - c) Both A & B
 - d) None

Q.9 _____ is used as a counter stain in hematoxyline stain.

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

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

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

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SECTION-B

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

- Q.11 Give one use of Decalcification.
- Q.12 What are frozen sections?
- Q.13 Full form of MGG is _____
- Q.14 Define FNAC
- Q.15 _____ and _____ are two types of dyes.
- Q.16 Which of following is used in Gram staining?
Hematoxyline / Crystal violet.
- Q.17 _____ gas used in freezing microtomy?
- Q.18 Increase in temperature will _____ the decalcification.
- Q.19 Define cytology?
- Q.20 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 Write about the various parts of microscope.
- Q.22 What is the cytological stain? Give two names.
- Q.23 Write the composition of Kaiserling solution II?

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- Q.24 Differentiate freezingonicrotome and crystal microtome.
- Q.25 Write a short note on Gram stain?
- Q.26 Give the advantages of cryostat?
- Q.27 Why autopsy is required in accidental case, explain?
- Q.28 Give a brief account on assessment of decalcification?
- Q.29 Write about the characteristics of malignant cells?
- Q.30 Write a note on Aspiration cytology?
- Q.31 Give the principle of Fluorescent microscopy?
- Q.32 Write the principle of AFB staining method?
- Q.33 Write a short note on pregnancy test?
- Q.34 Give a brief account of Masson's trichome stain.
- Q.35 Write a brief note on Electron 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 PAS staining method?
- Q.37 Explain the principle , regents, technique and interpretation of PAP staining.
- Q.38 Write a detailed account of different fixatives used in Museum technique?

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