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Roll No.

3rd Sem / MLT
Subject:- Histopathology & Cytology - I

Time : 3Hrs. M.M. : 100

SECTION-A

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

- Q.1 Most popular alcohol used for dehydration is?
a) Industrial Alcohol b) Methylated Spirit
c) Both A & B d) Ethanol
- Q.2 The tissue decomposition by the action of enzyme is called?
a) Putrefaction b) Autolysis
c) Both (a) & (b) d) None
- Q.3 Which is commonly used mounting media?
a) Canada Balrus b) Permount
c) DPX 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 The tissue taken for diagnosis from the dead body is?
a) Biopsy b) Autopsy
c) Tissue d) All above
- Q.7 Stropping is done on
a) Leather belt b) Belgian Black Stone
c) Paper d) None
- Q.8 After section cutting, knife should be.
a) Dry b) Oiled
c) Both A & B d) None
- Q.9 _____ is used as mordant in hematoxyline satin.
a) Hematoxyline b) Eosin
c) Alum d) None
- Q.10 Process of sharpening is
a) Honing b) stropping
c) Dehydration d) All above

SECTION-B

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

Q.11 Define Histopathology?

Q.12 What is Autolysis?

Q.13 Why Putrefaction is important?

Q.14 Define Cytology?

Q.15 What are fixatives?

Q.16 What is labeling?

Q.17 L mould stands for _____

Q.18 _____ is required for section cutting.

Q.19 Expand H & E.

Q.20 Expand DPX

SECTION-C

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

Q.21 Describe the processes of sharpening knives with diagram.

Q.22 Write a short note on Automation.

Q.23 Give the uses of Canada Balsam & DPX.

Q.24 What are the properties of ideal mounting medias.

Q.25 Write down the principle of Reduction reaction.

Q.26 What is Metachromasia give its types?

Q.27 Write about Regressive staining and Progressive staining?

Q.28 Draw a well labeled diagram of Cell?

Q.29 Give the preparation of cervical smears.

Q.30 What are the functions of cells?

Q.31 How we collect the Urine and sputum samples.

Q.32 What are the properties of fixatives?

Q.33 Give the role of cytotechnician in cytology.

Q.34 Differentiate between rough and fine cutting of issue sections.

Q.35 Mention the role of mordents in staining.

SECTION-D

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

Q.36 Write down the principal and procedure of H & E staining method?

Q.37 Explain the principal and working of Laminar Air Flow chamber with diagram?

Q.38 Explain the various types of microtomes?