

- Q.30 What are the function of histokinete?
 Q.31 Write the safety guideline to be taken in MLT lab.
 Q.32 Give the procedure of CSF collection sample.
 Q.33 Give the properties of good fixatives
 Q.34 What are mordents? Give two names.
 Q.35 Define colloidin embedding.

SECTION-D

- Note:** Long answer type questions. Attempt any two questions out of three questions. (2x10=20)
- Q.36 Write down the complete procedure of May Grunwald & Giemsa staining method?
 Q.37 Explain Knife sharpening technique with its faults & remedies?
 Q.38 Write in detail about the automatic stainer and its uses in H & E staining?

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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 mounting media is?
 a) Celloidin b) LVN
 c) Carbowax d) Paraffin wax
- Q.2 The tissue taken for diagnosis from the living body is?
 a) Biopsy b) Autopsy
 c) Tissue d) All above
- Q.3 Horning is done on
 a) Leather b) Belgian Black stone
 c) Paper d) None
- Q.4 In which microtome the temp is maintained at about-
 15°C to 30°C
 a) Rotary b) Cryostat
 c) Both A & B d) Sledge

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- Q.5 Which is used as a mordant in hematoxylin staining.
a) Hematoxyline b) Eosin
c) Alum d) None
- Q.6 Process of sharpening of knife is
a) Honing b) Stropping
c) Dehydration d) All above
- Q.7 In freezing microtome, which gas is used?
a) Oxygen b) Carbon dioxide
c) Lithium d) Hydrogen
- Q.8 Clearing fluids make the tissue?
a) Hard b) Transparent
c) Soft d) Turbid
- Q.9 Which is commonly used mounting media?
a) Canada balsam b) Paramount
c) DPX d) Clarite
- Q.10 Hematoxylin stains which part of the cell
a) Nuclear Part b) Cytoplasmic part
c) Both A & B d) Mitochondria

SECTION-B

Note: Objective type questions. All questions are compulsory. $(10 \times 1 = 10)$

- Q.11 What is a microtome?
Q.12 What is section cutting?

- Q.13 What are mountants?
Q.14 What is the blueing.
Q.15 What is dehydration.
Q.16 Draw the L mould.
Q.17 What is embedding.
Q.18 Name two clearing agent,
Q.19 Due to (Calcium / Sodium) the tissue becomes hard.
Q.20 What are imprints.

SECTION-C

Note: Short answer type questions. Attempt any twelve questions out of fifteen questions. $(12 \times 5 = 60)$

- Q.21 Draw a microtome Knife and label it.
Q.22 Explain Paraffin embedding.
Q.23 Give the role of Laboratory Technician in History?
Q.24 Write a short note on Laminar Air Flow chamber
Q.25 What is the difference between Autopsy and Biopsy.
Q.26 Write down the principle of H&E staining method.
Q.27 What are Accelerators?
Q.28 Explain dehydration.
Q.29 Write down the different types of Microtome.