

- 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?

No. of Printed Pages : 4

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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. (10x1=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. (12x5=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.