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3rd Sem / MLT

Subject:- Histopathology and Cytology - I

Time : 3Hrs.

M.M. : 100

SECTION-A

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

Q.1 The tissue taken for diagnosis from the dead body is.

- a) Biopsy b) Autopsy
- c) Tissue d) All above

Q.2 Strooping is done on

- a) Leather b) Belgian black stone
- c) Aloxite d) None

Q.3 In which microtome LVN embedded tissue are cut.

- a) Rotary b) Cryostat
- c) Sliding d) Base sledge

Q.4 Where mordants are used.

- a) staining b) clearing
- c) fixing d) None

Q.5 The melting point of paraffin wax is

- a) 40-45°C b) 45-50°C
- c) 25-40°C d) 54-60°C

Q.6 Heat will accelerate the process of ?

- a) Mounting b) Dehydration
- c) Demineralization d) clearing

Q.7 Which is used for embedding in histology ?

- a) Waxed paper cups b) Plastic Trays
- c) Ice Trays d) Glass tubes

Q.8 Which is commonly used mounting media ?

- a) Canada Balsam b) Paramount
- c) DPX d) Clarite

Q.9 Eosin, Stains which part of the cell .

- a) Nuclear part b) Cytoplasmic part
- c) Both A & B d) Mitochondria

Q.10 Most popular clearing agent is ?

- a) Alcohol
- b) Benzene
- c) Chloroform
- d) Xylene

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SECTION-B

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

- Q.11 What are solvents?
- Q.12 What are accelerators.
- Q.13 Name any two strops?
- Q.14 What is putrefaction?
- Q.15 Why tissue flotation bath used?
- Q.16 Define decalcification?
- Q.17 What are lubricants ?
- Q.18 Name two compound Fixatives
- Q.19 Define teased preparation of tissue.
- Q.20 What is automatic tissue processor

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 microtome
- Q.22 Write the procedure of paraffin embedding ?
- Q.23 Give the role of laboratory Technician in Histology ?
- Q.24 Write a short note on care and maintainance of laminar Air Flow chamber.

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- Q.25 What is the difference between fixed and unfixed method of tissue preparation.
- Q.26 Write down the principle of may Grunwald & Giemsa staining method.
- Q.27 What are Accelerators?
- Q.28 Give the classification of Fixatives.
- Q.29 Write down the classification of microtome.
- Q.30 What are the functions of mitochondria?
- Q.31 Write the safety guidelines during tissue preparation.
- Q.32 Give the procedure of CSF and urine smear preparation.
- Q.33 Give the properties of goods mountants.
- Q.34 What are mordents ? Give two names .
- Q.35 Write a note on automatic knife sharpener.

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 H & E staining method ?
- Q.37 Explain Honing and stropping technique with its diagram ?
- Q.38 Explain the differnet types of knives with diagrams ?

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