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Roll No.

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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) 40-45⁰C b) 45-50⁰C
c) 25-40⁰C d) 54-60⁰C

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 stroops?
- 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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