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**3rd Sem / DMLT, DMLT ( For Speech and Hearing Impaired)**  
**Subject : Histopathology**

Time : 3 Hrs.

M.M. : 60

**SECTION-A**

**Note:** Multiple choice questions. All questions are compulsory (6x1=6)

Q.1 The branch of pathology which deals with the study of disease in a cell or tissue is called \_\_\_\_\_.

- a) Histopathology      b) Histology
- c) a & b both      d) None

Q.2 Which of the following can be used as fixatives?

- a) 10% natural buffered formalin
- b) Bouin's fluid
- c) Carnoy's fluid
- d) All of the above

Q.3 Tissue processing unit is also known as?

- a) Histokinette      b) Histomat
- c) Histobath      d) Histoform

Q.4 The tissue section cutting machine is called \_\_\_\_\_.

- a) Histomate      b) Microtome
- c) Microscope      d) Histocut

Q.5 The color of nuclei in MGG staining will be \_\_\_\_\_.

- a) Red      b) Blue
- c) Purple      d) Green

Q.6 CSF stands for \_\_\_\_\_.

- a) Ceredro spinal fluid
- b) Cerebro spinal fluid
- c) Ceredro seminal fluid
- d) None

**SECTION-B**

**Note:** Objective/ Completion type questions. All questions are compulsory. (6x1=6)

Q.7 Define Biopsy.

Q.8 Expand the term H & E stain

Q.9 Define fixative.

Q.10 Define aqueous media?

Q.11 What do you mean by mitosis?

Q.12 Name any two type of microtome.

## **SECTION-C**

**Note:** Short answer type questions. Attempt any eight questions out of ten questions.  $(8 \times 4 = 32)$

- Q.13 Explain in detail about unfixed tissue preparation.
- Q.14 Illustrate the process of recording in histology laboratory.
- Q.15 Write down the composition of Heidenhain Susa fluid.
- Q.16 Write a short note on Paraffin embedding.
- Q.17 Explain the working principle of microtome.
- Q.18 Give the advantages and disadvantages of various mounting media.
- Q.19 Differentiate between progressive and regressive staining.
- Q.20 What are the various diseases in human body which can be diagnosed using Exfoliative Cytology
- Q.21 Explain the different types of mordants in detail.
- Q.22 Write down the procedure for collection of following samples in cytology lab:-
- a) Urine
  - b) Cerebro Spinal Fluid

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## **SECTION-D**

**Note:** Long answer type questions. Attempt any two questions out of three questions.  $(2 \times 8 = 16)$

- Q.23 Discuss the disposable blades / knife of microtome with their advantages and disadvantages.
- Q.24 Explain in detail the role of cytotechnician in cytology.
- Q.25 Write short note on:
- i) Automation in Histpathology
  - ii) Cytological fixatives.