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**3rd Sem / DMLT, DMLT  
( For Speeach 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 process in which a sample of tissue is taken from the dead body in order to examine the cause of death is called  
a) Autopsy                  b) Biopsy  
c) Autolysis                d) None
- Q.2 Sections of tissue in histopathology are cut by  
a) Electron beams        b) Sharp knife  
c) Laser                    d) Microtome
- Q.3 A process by which water is eliminated from tissue is called  
a) Infiltration            b) Impregnation  
c) Embedding              d) Dehydration

- Q.4 The color of nuclei in H&Estaining will be  
a) Red                      b) Green  
c) Blue                      d) None
- Q.5 The chemical which is required to fasten color in staining reaction is called  
a) Mordant                b) Fixative  
c) Solvent                  d) Accelerator
- Q.6 DPX is.  
a) Synthetic                b) Natural  
c) A and B both            d) None

**SECTION-B**

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

- Q.7 Define biopsy?  
Q.8 Write any two properties of the ideal fixatives?  
Q.9 Write the parts of microtome.  
Q.10 Expand PAP.  
Q.11 Define differentiation.  
Q.12 Define metachromasia.

**SECTION-C**

**Note:** Short answer type questions. Attempt any eight questions out of ten questions. (8x4=32)

- Q.13 Write a short note on tissue processing.

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- Q.14 Write down the importance of labelling histopathology.
- Q.15 Describe the composition of carnoy fluid.
- Q.16 Explain embedding technique in details with diagram.
- Q.17 Write down the care and maintenance of microtome knives.
- Q.18 Explain the principle of MGG staining method.
- Q.19 Differentiate between teased and squashed method of tissue preparation.
- Q.20 Write the preparation of CSF smears?
- Q.21 Write a note on stropping technique.
- Q.22 Write any four characteristics of an ideal mountant.

#### **SECTION-D**

**Note:** Long answer type questions. Attempt any two questions out of three questions. (2x8=16)

- Q.23 Define exfoliative cytology. Describe the collection and processing of sputum samples for cytology.
- Q.24 Write principal, procedures and results of haematoxylin and eosin staining.
- Q.25 Discuss in detail the errors / cutting faults in sections and their remedies.

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