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4th Sem. / DMLT

Subject : Histopathology & Cytology-II

Time : 3 Hrs. M.M. : 100

SECTION-A

Note: Very Short Answer type questions. Attempt any 15 parts. (15x2=30)

Q.1 a) Give the name of any two decalcifying fluids?

b) What are counter stains?

c) What are museum specimens?

d) Define Resolution of a microscope?

e) What are wet smears?

f) Draw a normal cell?

g) What is condensor?

h) Name any two special stains?

i) What is Decalcification?

j) Expand AFB and PAP?

k) What are Autopsys?

l) What is cryostat?

m) What are the uses of FNAC?

n) Give the principle of light Microscope?

o) Which stain is used for Reticulin fibre?

p) Give the composition of keserling -II solution?

q) What are the uses of formaline in histology?

r) Why mounting is important?

SECTION-B

Note: Short answer type questions. Attempt any ten parts 10x4=40

Q.2 i) What type of preperations can be done before Autopsy?

ii) Give the principle of phase contrast Microcopy?

iii) Write a note on Mounting of frozen section?

iv) Write a note on Decalcifying fluids?

v) Explain Masson's Trichome stain?

vi) Give the uses of Fluorescent microscopy?

vii) Describe the principle of aspiration cytology?

viii) Differentiate the advantages of microtome & cryostat?

ix) Explain the factors influencing the rate of Decalcifying?

x) What are the characteristics of malignant cells?

xi) Give the procedure of Alcian blue stain?

xii) Write a note on cytospin?

xiii) Give the procedure & interpretation of result of AFB staining.

xiv) Write a note on gram stain method?

xv) Why museum is important in Histopathology?

SECTION-C

Note: Long answer type questions. Attempt any three questions. 3x10=30

Q.3 Explain the care, preservation & Cataloguing of museum specimen.

Q.4 Explain :-

(i) Electron microscopy.

(ii) Fluoresent microscopy?

Q.5 Give a comprehensive note on PAS stain?

Q.6 Write the various Applications of FNAC?

Q.7 Write in detail about H & F staining method?