

2056
B. Voc. (Medical Laboratory Technology) FYUP
Fourth Semester
MLT-402: Introduction to Histopathology

Time allowed: 3 Hours

Max. Marks: 40

NOTE: Attempt five questions in all, including Question No. 1 which is compulsory and selecting one question from each Unit.

x-x-x

I. Give answer in very brief:-

- a) Define the histopathology.
- b) What is the difference between sample handling and collection?
- c) What is the specimen fixation?
- d) Where embedded media used?
- e) What do you mean by microtome section cutting?
- f) What is the sample staining?
- g) What is the dye methods?
- h) Write two names of pigments. (8x1)

UNIT - I

- II. (a) Briefly describe the scope of histopathology.
(b) What is the common structure of histopathology lab and write its main components? (2x4)
- III. (a) Write about the various precautions are taken, when you collect blood sample in Lab.
(b) Describe in brief about the labelling of histology specimens. (2x4)

UNIT - II

- IV. (a) Give the names of major fixation methods, write about only one.
(b) Write about the embed method of fixation. (2x4)
- V. (a) Write about the processing of histological tissues for paraffin's -embedding.
(b) Briefly describe about the fixatives used in histopathology? (2x4)

UNIT - III

- VI. (a) What is the microtomes, also write its applications in histopathology lab.
(b) How will you sharpening the microtome knife? (2x4)

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- VII. (a) Write the general characteristics of practical section cutting.
(b) Briefly describe various precautions taken during the mounting media. (2x4)

UNIT - IV

- VIII. (a) What do you mean by Dyes? Write about their theory only.
(b) Write a short notes on hematoxylin staining. (2x4)

- IX. (a) Write about the principle of metal impregnation technique.
(b) Write about the decalcification methods used in histopathology. (2x4)

x-x-x