

2056
B. Voc. (Medical Lab Technology)
Fourth Semester
BMLT-403: Introduction to Histopathology
(Common with ADMLT)

Time allowed: 3 Hours

Max. Marks: 40

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

x-x-x

I. Answer the following:-

- a) Define the histopathology.
- b) What is the sample handling?
- c) What is the microtome?
- d) Where embedded media used?
- e) What do you mean by mounting?
- f) Sample staining?
- g) Paraffin-embedding?
- h) Write two names of carbohydrate staining. (8x1)

UNIT - I

- II. (a) Briefly describe the scope of histopathology.
- (b) What is the histopathology lab organization? (2x4)
- III. (a) Write about the various precautions are taken during collection of blood sample in Lab.
- (b) Describe in brief about the recording 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)

P.T.O.

(2)

UNIT - III

VI. (a) What is the microtome, also write its principles and applications in histopathology lab.

(b) How will you be sharpening the microtome knife? (2x4)

VII. (a) Write the general characteristics of practical section cutting.

(b) Briefly describe various precautions taken during the mounting media preparation. (2x4)

UNIT - IV

VIII. (a) What do you mean by Dyes? Write about their practical applications only.

(b) Write a short note on solvent mordents. (2x4)

IX. (a) Write about the staining of collagen fibre.

(b) Mentioned about the identifications of pigments in histopathology. (2x4)

x-x-x