

2053

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. 1 which is compulsory and selecting one question from each Unit.

x-x-x

I. Attempt 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