

2054

B. Voc. (Medical Lab Technology)

Sixth Semester

BMLT-603: Microbiology - II

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. Write answer in very brief :-

- a) Define Rideal-Walker.
- b) Give the name of gram -ve bacteria.
- c) Write name of bacteria which caused food spillage.
- d) Give the name of one antitoxin assay.
- e) What do you mean by LFT?
- f) What is ELISA?
- g) What is Cytoplasmic constituent?
- h) Define tele-pathology.

(8x1)

UNIT - I

II. a) Briefly describe the lyophilization method of bacteria.

b) Write bacteriological examination for water.

(2x4)

III. a) Explain about the bacteriocins typing methods.

b) Describe in brief about total count of bacteria.

(2x4)

UNIT - II

IV. a) What is the VDRL? Also write its significances.

b) Write about the ear fungal infection.

(2x4)

V. a) What is the ELISA? Write various applications of this techniques in microbiology.

b) Write in brief about the role of HPLC in microbiology.

(2x4)

P.T.O.

(2)

**UNIT - III**

- VI. a) Briefly describe the handling of histological specimens.  
b) What is the cytological technique for pregnancy? (2x4)
- VII. a) Write about the Rheumatological disease and diagnosis?  
b) Briefly describe about identification of DNA with strain method. (2x4)

**UNIT - IV**

- VIII. a) What is advanced methods in microbiology? Write about the sample collection and preparation for genome sequencing.  
b) Write a short note on microbiological diagnostic tests? (2x4)
- IX. a) What is the tele-pathology? What is the Image Acquisition in tele-pathology?  
b) Write a short note only one molecular technique used in the molecular diagnostics? (2x4)

x-x-x