

2056
B. Voc. (Medical Lab Technology)
Fourth Semester
BMLT-405: Microbiology – I

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) Discuss antigen antibody reactions.
- b) What is differential media?
- c) What is Elek gel precipitation test?
- d) Write an account on pyogenic infections.

(4x2)

UNIT - I

- II. a) Explain normal flora of human body and its importance.
- b) Explain bacterial growth curve with phases.
- III. Describe Gram positive and Gram negative bacteria and differentiate between them. (8)

(2x4)

UNIT - II

- IV. a) Describe laboratory diagnosis of tuberculosis.
- b) Explain diagnosis of diphtheria.
- V. Discuss laboratory diagnosis of sexually transmitted diseases (syphilis and gonorrhea).

(8)

UNIT - III

- VI. a) Describe mode of action of antibiotics.
- b) Explain laboratory diagnosis of mycotic infections.
- VII. a) Explain culture and sensitivity testing.
- b) Describe aerobic and anaerobic culture techniques.

(2x4)

(2x4)

UNIT - IV

- VIII. a) Describe specimen handling and laboratory records.
- b) Explain automation methods in diagnostic microbiology.
- IX. a) Describe collection and handling of faecal specimens.
- b) Explain laboratory identification of human parasites.

(2x4)

(2x4)

x-x-x