

2056
B. Voc. (Medical Laboratory Technology) FYUP
Fourth Semester
MLT-404: Microbiology - I

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. Attempt all parts of a question together.

x-x-x

1. Write answer in very brief;

- a) Define the curve of bacterial curve.
- b) Give the name of nutrients required for bacteria.
- c) Write name of bacteria which caused anthrax.
- d) Give the name of one bacterium caused the cholera.
- e) What do you mean by fever?
- f) What is the antigen?
- g) Specimen handling?
- h) Automation of lab.

(8x1)

UNIT - I

2. (a) Briefly describe the growth curve of bacterial growth.

(b) Write about the nutrients required for bacterial growth?

(2x4)

3. (a) Explain about the anatomy of bacterial cell.

(b) Difference between cocci and bacteria.

(2x4)

UNIT - II

4. (a) Give the names of major fixative agents used in microbiology.

(b) Write about the lab diagnosis of TB infection.

(2x4)

5. (a) What is the principles of antigen and antibody reaction?

(b) Give the name of various diagnostics tests conducted for food poisoning.

(2x4)

P.T.O.

(2)

UNIT - III

6. (a) What are the fungi? Also write about their main properties.
(b) What is the principle of antigen-antibody reactions? (2x4)
7. (a) Write about the diagnostic test of mycotic infections?
(b) Briefly describe about chemotherapeutic agents for bacteria. (2x4)

UNIT - IV

8. (a) What are the human parasites?
(b) Write a short note on culture of faecal species? (2x4)
9. (a) Mentioned one method for lab identification of human parasites.
(b) How automation methods of diagnostic are important for microbiology? (2x4)

x-x-x