

2123

B. Voc. (Medical Lab. Technology)

Fifth Semester

BMLT-504: Serology: Introduction and serological Lab Procedures

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 serology?
- b) What is the antibodies?
- c) Who is the CRP?
- d) Write the full name of ELISA.
- e) GLC is extend for.
- f) Write the one application of Immuno-peroxidase test.
- g) What are the antisera?
- h) Write names of two serological diseases. (8x1)

UNIT - I

- II. a) Briefly describes monoclonal antibodies and their application.
- b) Write about the CRP test and its applications. (2x4)
- III. a) Write in brief about the rheumatoid arthritis.
- b) Write the principle of ELISA. Write the application of ELISA in microbiology lab. (2x4)

UNIT - II

- IV. a) What is the epidemiological markers of microorganism? Write their significance.
- b) Write about the pulmonary infections and write its diagnostic tests. (2x4)
- V. a) What is serological test for deep mycotic infection in human?
- b) Briefly describe the eye and ear infections. (2x4)

UNIT - III

- VI. a) Write about the major serological tests for bacterial infection on human skin.
- b) What are the applications of GLC? (2x4)

(2)

- VII. a) Describe in brief about the rapid of diagnosis methods.
b) Write a short note on RIA. (2x4)

UNIT - IV

- VIII. a) What do you mean by Single Radial Hemolysis (SRH)?
b) Write a short note on IHA. (2x4)
- IX. a) What is the immuno-peroxidase test? Write its clinical significance.
b) Write a short note on serological techniques in virology. (2x4)

x-x-x