

2123

B. Voc. (Medical Lab Technology)

Fifth Semester

BMLT- 503: Introduction to Immunology

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 short note on:-

- a) Define Immunology.
- b) What is antigen?
- c) What is serum?
- d) What is the RBC?
- e) Immunoglobulin
- f) T-Cell.
- g) VDL
- h) Thyroid

(8x1)

UNIT - I

II. a) Write the common properties of Immune system? Write its clinical significance of enzymes.

b) What is nonspecific immunity? Write the significance in Human. (2x4)

III. a) What is the cancer? Write the role immunology to prevent cancer.

b) Write a short note on passive immunity. (2x4)

UNIT - II

IV. a) What is Immunoglobulin? Write structure of immunoglobulin.

b) What is humoral immunity? (2x4)

V. a) What is antibody diversity? Describe its significance in human response to antigens.

b) What are factors which affect antibody production in human? (2x4)

P.T.O.

(2)

UNIT -III

- VI. a) What do you mean by cell mediated immunity?
b) What is the therapeutic role of monoclonal antibody? (2x4)
- VII. a) Describe about the role of cytokines.
b) Write in very short about the complement system. (2x4)

UNIT - IV

- VIII. a) What is the antibody-antigen interactions?
b) Why Immuno-diffusion test is so important for human health? (2x4)
- IX. a) What is endocrine gland? Write various functions of endocrine glands in the human body?
b) What do you mean by Widal test? How it important in immunology studies? (2x4)

x-x-x