

2055
B. Voc. (Medical Lab Technology)
Second Semester
BMLT-203: Basic of Physiology

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) Give functions of skin.
- b) Enlist water and fat soluble Vitamins.
- c) What are lymph nodes?
- d) What is cardiac output?
- e) What is Bohr effect?
- f) What are the conditions for fertilization?
- g) What are functions of hypothalamus?
- h) What is synapse and its functions? (8x1)

UNIT - I

- II. a) What is nutrition and its significance? Explain different types of macronutrients and micronutrients?
- b) Give structure and components of skin. (2x4)

III. Explain the process of digestion and absorption in details. (8)

UNIT - II

- IV. a) Write notes on:-
- i) Urine formation
 - ii) Spleen
- b) Discuss lymphatic system and its components. (2x4)

P.T.O.

(2)

V. Write notes on:-

- a) Electrocardiogram
- b) Counter current mechanism (2x4)

UNIT -III

VI. a) Explain oxygen dissociation curve of haemoglobin.

- b) Explain the process of gametogenesis in details. (2x4)

VII. a) Write notes on

- (i) Haldane effect
- (ii) Skeletal muscle contraction mechanism

- b) Explain with well labelled diagram female reproductive system. (2x4)

UNIT -IV

VIII. a) Discuss mechanism of origin and propagation of impulse along the axon.

- b) What are endocrine hormones? Give role of thyroid and parathyroid hormones. (2x4)

IX. Write notes on:-

- a) Neuron
- b) Hormones of alimentary canal (2x4)

x-x-x