

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