

2053  
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. 1 which is compulsory and selecting one question from each Unit.*

x-x-x

I. Write short note on:-

- a) Nutrients in a balanced diet
- b) Lymphatic system
- c) Bohr effect
- d) Resting membrane potential

(4x2)

**UNIT - I**

II. Describe the fat soluble vitamins.

(8)

III. Describe the role of small intestine in digestion and absorption of food.

(8)

**UNIT - II**

IV. Describe the constituents of blood and their functions.

(8)

V. Describe briefly:-

- a) Origin and regulation of heart beat
- b) Counter-current mechanism

(2x4)

**UNIT - III**

VI. Describe the physiology of skeletal muscle contraction.

(8)

VII. Describe the functions of oestrogen.

(8)

**UNIT - IV**

VIII. Describe briefly:-

- a) Structure and function of thyroid hormones
- b) Structure of neuron

(2x4)

(2)

IX. Describe briefly:-

a) Hormones secreted by pancreas

(2x4)

b) Hormones secreted by kidney

x-x-x