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BACHELOR OF PHYSIOTHERAPY (B. P. T.)
EXAMINATION : NOVEMBER - 2023
FIRST YEAR

A

Subject: Human Physiology (BPT- 21102)

Date: 22/11/2023

Total Marks: 80

Time: 10.00 am to 1.00 pm

SECTION – A

Q.1 Answer the following questions in short (Any five) (15)

- a. Functions of Cell membrane
- b. Erythroblastosis foetalis
- c. Functions of Plasma proteins
- d. Acromegaly
- e. Functions of Liver
- f. Negative feedback mechanism

Q.2 Answer the following questions (Any Five) (35)

- a. Describe the ABO blood group system in details.
- b. Draw a neat well labeled diagram of an Action potential in a nerve fibre. Describe the ionic basis of action potential.
- c. Describe the actions of Oestrogen.
- d. Draw a neat well labeled diagram of Juxta Glomerular Apparatus and describe it's structure in details.
- e. Describe the events in Ventricular diastole of cardiac cycle.
- f. Describe the Lung volumes and capacities.

SECTION – B

Q.3 Answer the following questions in detail (Any one) (15)

- a. Draw a neat well labeled diagram of Neuro-muscular junction. Describe the process of transmission of nerve impulse across NMJ. (5+10 = 15marks)
- b. Draw a neat well labeled diagram of a neuron. Describe any 5 properties of skeletal muscle in details. (5+10 = 15marks)

Q.4 Answer the following questions in detail (Any one) (15)

- a. Describe the origin, course, termination and functions of Dorsal column tracts.
 - b. Describe the functions of Hypothalamus.
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