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BACHELOR OF PHYSIOTHERAPY (B. P. T.)

A

EXAMINATION : DECEMBER- 2024

FIRST YEAR

Subject: Human Physiology (BPT- 21102)

Date: 26/12 /2024

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. Dead space
- b. Spermatogenesis
- c. Functions of oxytocin
- d. Landsteiner's law. Describe ABO blood group system
- e. Juxtaglomerular apparatus
- f. Sarcomere

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

- a. Excitation contraction coupling
- b. CO₂ Transport
- c. Composition and functions of saliva
- d. Physiological action of thyroid hormone
- e. Short term regulation of blood pressure
- f. Properties of nerve fibers

SECTION – B

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

- a. Draw a neat labeled diagram of reflex arc. Explain stretch and inverse stretch reflex in detail
- b. Explain optic pathway in detail. Add a note on lesions at various levels of optic nerve

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

- a. Explain Cardio-respiratory changes during moderate exercise. Add a note on oxygen debt
- b. Enumerate ascending tracts. Describe the pathway for fine touch sensation in detail. Draw a well labeled diagram of the same
