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Subject Code:BP201T

Roll No:

BPHARM**(SEM II) THEORY EXAMINATION 2025-26
HUMAN ANATOMY AND PHYSIOLOGY II****TIME: 3 HRS****M.MARKS: 75****Note: 1.** Attempt all Sections. If require any missing data, then choose suitably.**SECTION A****1. Attempt all questions in brief.****10 x 2 = 20**

a.	Define neuron.
b.	What are neuroglial cells?
c.	Define action potential.
d.	Name any two neurotransmitters.
e.	What is cerebrospinal fluid (CSF)?
f.	Define digestion.
g.	What is ATP?
h.	Define tidal volume.
i.	What is a hormone?
j.	Define fertilization.

SECTION B**2. Attempt any two parts of the following:****2 x 10 = 20**

a.	Explain the structure and functions of a neuron with a neat diagram.
b.	Describe the anatomy of the stomach and explain the regulation of acid secretion.
c.	Explain the mechanism of respiration and regulation of respiration.

SECTION C**3. Attempt any five parts of the following:****7 x 5 = 35**

a.	Explain the structure and functions of cerebrum.
b.	Describe digestion and absorption of carbohydrates, proteins, and fats.
c.	Explain lung volumes and capacities.
d.	Describe the structure of nephron and formation of urine.
e.	Describe menstrual cycle and role of sex hormones.
f.	Write short notes on chromosomes, genes, and DNA.
g.	Explain classification of hormones and mechanism of hormone action.