



Roll No:

BPHARMA
(SEM II) THEORY EXAMINATION 2023-24
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.	What are the functions of neurotransmitter?
b.	Define action potential with suitable example.
c.	What is BMR? Justify its significance.
d.	Elaborate the term "Inheritance".
e.	Highlight the roles of autonomic nervous system in digestion process.
f.	Which cells of pancreas are responsible for secretion of somatostatin?
g.	Differentiate between menarche and menopause.
h.	Write about tidal volume and vital capacity of lungs.
i.	Which hormone takes part in ovulation process?
j.	Iodine is believed to be involved in the formation thyroid hormones. Justify it.

SECTION B

2. Attempt any *two* parts of the following:

2 x 10 = 20

a.	Explain various resuscitation methods.
b.	Describe the process of acid formation and regulation in stomach.
c.	Elaborate the mechanism of action of hormones.

SECTION C

3. Attempt any *five* parts of the following:

7 x 5 = 35

a.	Discuss the process of spermatogenesis.
b.	Enumerate the hormones secreted by pituitary gland with functions.
c.	Explain the reflex action with suitable diagram.
d.	Describe the role of pancreas in digestion process.
e.	Write an exhaustive note on protein synthesis in eukaryotes.
f.	Write a short note on renin angiotensin aldosterone system.
g.	Explain the structure of cerebellum with its functions.