



Paper ID : 253253

Printed Page: 1 of 1
Subject Code:BP201T

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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

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| 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

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| 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

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| 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. |