

B PHARM
(SEM II) THEORY EXAMINATION 2022-23
HUMAN ANATOMY AND PHYSIOLOGY-II

Time: 3 Hours

Total Marks: 75

Note: Attempt all Sections. If require any missing data; then choose suitably.

SECTION A

1. Attempt all questions in brief.

10 x 2 = 20

- (a) Describe the term "Neural Synapse".
- (b) Identify various types of Cholinergic and Adrenergic Receptors.
- (c) Recall various functions of Insulin and Glucagon.
- (d) Summarize the terms "BMR and CPR".
- (e) Enumerate the role of true and false vocal cord.
- (f) Investigate various types of cells present in small intestine.
- (g) Classify various types of hormones released from Pituitary gland.
- (h) State the location and functions of Pineal gland.
- (i) Define "menarche" and "menopause".
- (j) Elaborate the meaning of capacitation.

SECTION B

2. Attempt any two parts of the following:

2 x 10 = 20

- (a) Discuss in detail about the composition, formation, and circulation of cerebrospinal fluid. ✓
- (b) Show the structure of tooth with well labeled diagram.
- (c) Illustrate in detail about the structure and functions of Kidney.

SECTION C

3. Attempt any five parts of the following:

5 x 7 = 35

- (a) Describe the structure and functions of Spinal cord.
- (b) Demonstrate the anatomy and physiology of liver and gall bladder.
- (c) Demonstrate the process of O_2 and CO_2 transport in blood.
- (d) Illustrate the physiology of Urine formation with well labeled diagram.
- (e) Explain the synthesis, release, and circulation of thyroid hormones.
- (f) Compare various phases of menstrual cycle along with its hormonal regulation.
- (g) Assess the structure of Testis and process of Spermatogenesis.