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 trueand falsevocalcord.

(f) Investigatevarious types of cellspresentin small intestine

(g) Classify varioustypesofhormones released from Pituitary gland

(h) StatethelocationandfunctionsofPinealgland.

(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 Kidneys

SECTION C

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

(a) Describe the structure and functions of Spinalcord.

(b) Demonstratetheanatomyandphysiologyofliverandgallbladder.

(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) Explainthe synthesis,release, andcirculation ofthyroidhormones.

(f) Comparevariousphasesofmenstrualcycle along withits hormonal regulation.

(g) Assessthe structure of Testis and processof Spermatogenesis.