

B PHARM
(SEM II) THEORY EXAMINATION 2017-18
HUMAN ANATOMY AND PHYSIOLOGY- II

Time: 3 Hours

Total Marks: 75

- Note:** 1. Attempt all Sections.
2. Draw the neat and clean-labeled diagram, if necessary.

SECTION A

- 1. Attempt *all* questions in brief.** **10 x 2 = 20**
- a. What is Cerebrospinal fluid?
 - b. Write the functions of cerebellum and hypothalamus.
 - c. Define Net Filtration Pressure and GFR.
 - d. What is Basal metabolic rate?
 - e. Define Tidal volume and Residual volume.
 - f. Mention any two functions of liver.
 - g. Enumerate all the endocrine glands present in the body.
 - h. Define Gametogenesis.
 - i. What is Transcription and Translation?
 - j. A graph of a family history for a specific trait or health problem over several generations is termed

SECTION B

- 2. Attempt any *two* parts of the following:** **2 x 10 = 20**
- a. Explain in detail about Thyroid hormones formation, secretion, storage and release with proper diagram.
 - b. What is Respiration? Discuss in detail about mechanism of respiration and regulation of respiration.
 - c. Explain male reproductive system with well labeled diagram, as well as discuss about ducts of testis.

SECTION C

- 3. Attempt any *five* parts of the following:** **7 x 5 = 35**
- a. Explain the mechanism of breathing with diagram.
 - b. Describe larynx and pharynx as well as also discuss a note on their functions.
 - c. Write a note on Salivary glands.
 - d. Explain Neurotransmission in brief.
 - e. Describe the pituitary gland along with the hormones secreted by it.
 - f. Write an illustrative note on Physiology of Menstruation.
 - g. How is oxygen transported from the lungs to the other parts of the body?