

**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?