

B PHARM
(SEM-II) THEORY EXAMINATION 2019-20
HUMAN ANATOMY AND PATHOPHYSIOLOGY-II

Time: 3 Hours

Total Marks: 75

Note: 1. Attempt all Sections. If require any missing data; then choose suitably.
2. Any special paper specific instruction.

SECTION A

- 1. Attempt all questions in brief. 10 x 2 = 20**
- a. What is an action potential
 - b. What are the name of lobes of cerebral hemisphere
 - c. What is the role of the mouth in digestive system
 - d. Differentiate between vital capacity and total lung capacity.
 - e. Define Glomerular Filtration Rate (GFR).
 - f. Give the name of disorders of the male reproductive system.
 - g. Define asthma and Pneumonia.
 - h. Enlist the function of hormones.
 - i. Briefly explain cushing syndrome.
 - j. Where does the fertilization take place in the female?

SECTION B

- 2. Attempt any two parts of the following: 2 x 10 = 20**
- a. I. Describe cerebrospinal fluid and its circulation
II. Describe the structure and functions of medulla oblongata.
 - b. Define ovulation. Explain different phases of the female reproductive cycle
 - c. Describe the mechanism of ATP Formation.

SECTION C

- 3. Attempt any five parts of the following: 7 x 5 = 35**
- a. Explain the events of signal transmission at a chemical synapse.
 - b. Describe the surface anatomy of lungs along with suitable diagrams.
 - c. Describe the hormones of Pancreas and their physiological role.
 - d. Describe different parts and types of Nephron.
 - e. What is BMR and how it is determined? Describe various factors affecting BMR.
 - f. Write a short note on gland of Emergency.
 - g. Define Genetics. Write a short note on chromosomes.