**Printed Pages: 02** **Sub Code:BP201T**

**Paper Id: 150295** **Roll No.** | | | | | | | | | | |

**B.PHARM**
**(SEM-II) THEORY EXAMINATION 2018-19**
**HUMAN ANATOMY AND PHYSIOLOGY-II**

***Time: 3 Hours*** ***Total Marks: 75***

**Note:** Attempt all Sections. If you require any missing data, choose suitably.

**SECTION A**

**1. Attempt *all* questions in brief.** **10 x 2 = 20**

a. What do you mean by residual volume and inspiratory reserve volume?

b. Define autocrine and paracrine gland.

c. Explain the role of CCK and secretin in intestinal phase of digestion.

d. Discuss any two functions of cerebellum.

e. Define net filtration pressure.

f. Write in brief about brush border enzyme.

g. Thyroxin hormone is released by _____ cells of _____ gland.

h. Mention any two functions of hypothalamus.

i. What do you mean by gametogenesis?

j. The two hemisphere of cerebrum are connected with a mass of white fibers known as _____.

**SECTION B**

**2. Attempt any *two* parts of the following:** **2 x 10 = 20**

a. Explain mechanism of respiration with special emphasis on transport of oxygen from lungs to other parts of body.

b. What are the different parts of human brain? Discuss anatomy and physiology of cerebrum.

c. Outline various parts of digestive system. Discuss the anatomy and physiology of small intestine.

**SECTION C**

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

a. Discuss the mechanism of Neurohumoral transmission in CNS.

b. Discuss synthesis, secretion and regulation of acid secretion in stomach.

c. Write a note on female reproductive cycle (menstrual cycle) & its regulation.

d. Explain synthesis, storage, secretion and regulation of thyroid hormone.

e. Discuss in detail about structure of liver and role of bile juice in digestion.

f. Discuss in detail about Renin Angiotensin Aldosterone System.

g. Define reflex action. Describe various components of reflex arc.

DR VIJAY KUMAR GUPTA | 15-May-2019 09:01:33 | 45.115.62.2



DR VIJAY KUMAR GUPTA | 15-May-2019 09:01:33 | 45.115.62.2