Printed Pages: 01 **BOP-234**

Paper Id: 150324 **Roll No.** | | | | | | | | | | |

B PHARM

(SEM-III) THEORY EXAMINATION 2018-19

ANATOMY, PHYSIOLOGY AND PATHOPHYSIOLOGY-III

Time: 3 Hours ***Total Marks: 100***

Note: 1. Attempt all Sections.

SECTION A

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

a. Define chemotaxis.
b. Define angina. What are its various types?
c. Write cell derived mediators of inflammation.
d. Enlist hormones released from pituitary.
e. Explain the role of Carbonic anhydrase in respiration.
f. Define the waves of ECG and their significance.
g. Define hypertrophy and hyperplasia.
h. Which artery supplies blood to the myocardium?
i. Define hypoxia and ischemia.
j. Write a note on Parathormone.

SECTION B

2. Attempt any *three* of the following: 10 x 3 = 30

a. Discuss the process of gaseous exchange in lungs.
b. Write a detailed note on the anatomy of the heart.
c. Give a detailed note on menstrual cycle.
d. Give in detail the biosynthesis, storage and release of thyroid hormones.
e. Differentiate between apoptosis and necrosis.Write a detailed note on the process of apoptosis.

SECTION C

3. Attempt any *one* part of the following: 10 x 1 = 10

(a) Draw and explain the components and their functions of the human respiratory system.
(b) Explain the pathophysiology of Asthma and Emphysema.

4. Attempt any *one* part of the following: 10 x 1 = 10

(a) Write in detail the pathophysiology of hypertension. Give special emphasis on RAAS in development of hypertension.
(b) Discuss the mechanism of impulse conduction in heart.

5. Attempt any *one* part of the following: 10 x 1 = 10

(a) Write notes on pathophysiology of AIDS.
(b) Explain the physiology of Oogenesis and spermatogenesis.

6. Attempt any *one* part of the following: 10 x 1 = 10

(a) Write a note on the physiological actions of hormones released from hypothalamus
(b) Write in detail the pathophysiology of Diabetes mellitus.

7. Attempt any *one* part of the following: 10 x 1 = 10

(a)Write a detailed note on ischemia reperfusion injury.
(b) Define inflammation. Explain the various events occurring during inflammation.

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