Printed Pages: 01 **Sub Code: BOP113**

Paper Id: 150123 **Roll No.** | | | | | | | | | | |

B. PHARM

(SEM-1) THEORY EXAMINATION 2018-19

ANATOMY, PHYSIOLOGY AND PATHOPHYSIOLOGY-I

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

SECTION A

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

a. Differentiate between active and passive transport.
b. What do you mean by muscle fatigue?
c. Enlist various body cavities present in human body.
d. Draw a neat and clean diagram of neuron.
e. What do you mean by catabolism?
f. Which organelle is responsible for protein synthesis?
g. Classify tissue.
h. Write the causative agent of Malaria.
i. Enlist functions of proteasomes and peroxisomes.
j. Differentiate between thick and thin filament.

SECTION B

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

a. Write a detailed note on active transport process across plasma membrane.
b. Discuss the physiology of skeletal muscle contraction.
c. Discuss resuscitation method in detail.
d. Write about sense of smell.
e. Write about causative agent, mode of transmission and prevention of Whooping cough.

SECTION C

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

(a) Classify epithelial tissue. Give the structural and functional characteristics of epithelial tissue.
(b) Draw a neat labeled diagram of cell. Write the structure and function of cell organelles.

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

(a) Classify joints. Discuss in detail about ball and socket joint.
(b) Define skeleton system. Write an elaborated note on vertebral column.

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

(a) Define the term family planning. Classify various methods of contraception. Write about tubectomy.
(b) Define first aid. Write the first aid treatment of shock.

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

(a) Discuss the mechanism of physiology of vision.

(b) Write in detail about anatomy and physiology of Ear.

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

(a) Write about causative agent, mode of transmission and prevention of Whooping cough.

(b) Write a detailed note on diphtheria and measles.

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