

B PHARM
(SEM-II) THEORY EXAMINATION 2018-19
ANATOMY, PHYSIOLOGY AND PATHOPHYSIOLOGY-II

Time: 3 Hours**Total Marks: 100****Note:** 1. Attempt all Sections. If require any missing data; then choose suitably.**SECTION A****1. Attempt all questions in brief. 2 x 10 = 20**

- a. Differentiate between sensory neuron and motor neurons.
- b. Define reflex action.
- c. Differentiate between rod cells and cone cells.
- d. Write difference between simple fracture and compound fractures.
- e. Write function of lymphatic system.
- f. Which organ is considered to be the graveyard for Red blood cells?
- g. What is organ of corti?
- h. What is family planning and Why it is important for quality of life.
- i. What is DOT therapy? How it is effective for the treatment of tuberculosis.
- j. What are the different modes of transmission of syphilis?

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

- a. Discuss in detail about the anatomical and physiological difference between sympathetic and parasympathetic nervous system.
- b. What is hemodynamic shock? Explain in detail about the emergency treatment for its effective management.
- c. Write a note on lymph nodes and also explain the role of lymphatic system in immune system.
- d. Draw a neat and well labelled diagram of middle ear. Also outline the physiology of hearing.
- e. Write causative agent mode of transmission and prevention of Poliomyelitis.

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

- (a) Write note on causative factors, mode of transmission of influenza. How it can be prevented and control.
- (b) Give detail note on structure and function of spleen.

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

- (a) Write note on general principles for different degree of burn cases.
- (b) Discuss different phases of neurohumoral transmission in ANS.

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

- (a) Draw neat and clean diagram of olfactory receptor and discuss physiology of smell.
- (b) What is demography? Explain in detail about the different application of demographic study for effective management and control endemic diseases.

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

- (a) Discuss in detail about the physiology of accommodation of human eye with suitable diagram.
- (b) Discuss in detailed about the function of cerebellum and pons.

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

- (a) Draw neat and clean diagram of cross section of cerebral cortex. Also discuss motor and sensory area of cerebral cortex.
- (b) Discuss about the mode of transmission, treatment and preventive measures for measles.