

B.PHARM
(SEM-II) THEORY EXAMINATION 2017-18
ANATOMY, PHYSIOLOGY & PATHOPHYSIOLOGY-II

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 reflex action.
 - b. Write the functions of spleen.
 - c. Define EEG. Name the EEG waves associated with stress.
 - d. Write the composition of Lymph.
 - e. Name the membranes covering the brain and spinal cord.
 - f. Name the different lobes of Cerebral Cortex.
 - g. Write the function of kupffer cells.
 - h. Name the catecholamine involve in limbic system.
 - i. Write the name of various types of Neuroglia.
 - j. Define splenomegaly.

SECTION B

- 2. Attempt any *three* of the following: **10 x 3 = 30****
- a. Define hypersensitivity. Explain various types of hypersensitivity reactions.
 - b. Define neurotransmitter. Give the synthesis and release of Acetylcholine.
 - c. Describe the emergency treatment of shock and snake bite.
 - d. Describe the structure and function of spinal cord.
 - e. Write down the anatomy and physiology of lymph node with well labelled diagram.

SECTION C

- 3. Attempt any *one* part of the following: **10 x 1 = 10****
- (a) Describe the anatomy and physiology of ANS .Write the functional differences between sympathetic and parasympathetic divisions
 - (b) Explain the mechanism of neurohumoral transmission in ANS.
- 4. Attempt any *one* part of the following: **10 x 1 = 10****
- (a) Give the structure and functions of cerebrum.
 - (b) Describe the functions of different cranial nerves.
- 5. Attempt any *one* part of the following: **10 x 1 = 10****
- (a) Describe in detail the anatomy and physiology of eye.
 - (b) Describe in detail the anatomy and physiology of ear.

- 6. Attempt any *one* part of the following: **10 x 1 = 10****
- (a) Classify family planning techniques. Write a detailed note on Medical termination of Pregnancy.
 - (b) Define demography. Explain various resuscitation methods used in first aid.

- 7. Attempt any *one* part of the following: **10 x 1 = 10****
- (a) Write causative organisms, mode of transmission and prevention of the following:
 - i. Leprosy
 - ii. Tuberculosis
 - (b) Write causative organism, mode of transmission and prevention of the following:
 - i. Poliomyelitis
 - ii. Diphtheria