

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

Time: 3 Hours

Total Marks: 70

Note: 1. Attempt all Sections.

SECTION A

1. Attempt *all* questions in brief. 2 x 7 = 14
- a. Describe the *Human Anatomical Position*.
 - b. Differentiate between tendons, ligaments and cartilages.
 - c. Define twitch contraction.
 - d. Define Organ of Corti and Merkel's disk.
 - e. Give the causative organism for Tetanus and Tuberculosis.
 - f. Define Demography.
 - g. What is CPR?

SECTION B

2. Attempt any *three* of the following: 7 x 3 = 21
- a. What are cell junctions? Describe desmosomes gap junctions.
 - b. Classify joints. Write a detailed note on synovial joints.
 - c. Describe the anatomy of eye and explain physiology of vision.
 - d. Write notes on:
 - 1) Chicken Pox
 - 2) Leprosy
 - e. Write a detailed note on Medical Termination of Pregnancy Act.

SECTION C

3. Attempt any *one* part of the following: 7 x 1 = 7
- (a) Classify tissues. Write a detailed note on epithelial tissue.
 - (b) Describe the importance of transport across cell membrane. Explain primary active transport.
4. Attempt any *one* part of the following: 7 x 1 = 7
- (a) Write a note on bone formation. Explain Endochondrial classification.
 - (b) What is neurohumoral transmission? Explain impulse transmission at neuromuscular junction.
5. Attempt any *one* part of the following: 7 x 1 = 7
- (a) Write a detailed note on the anatomy and physiology of the ear.
 - (b) Explain the structure of the skin and write about the various receptors present on the skin.
6. Attempt any *one* part of the following: 7 x 1 = 7
- (a) Write causative organism, mode of spread, sign and symptoms of tuberculosis.
 - (b) Write a detailed note on poliomyelitis.
7. Attempt any *one* part of the following: 7 x 1 = 7
- (a) Define family planning. Elaborate the various methods of family planning.
 - (b) Write a detailed note on various types and treatment of shock.