



Code No. 1140 / PCI

FACULTY OF PHARMACY

B. Pharmacy I-Semester (PCI) (Main) Examination, January 2018

Subject : Human Anatomy and Physiology – I

Time : 3 Hours

Max. Marks: 75

Note: Answer all questions from Part – A, any two questions from Part – B and any seven questions from Part - C.

PART – A (10 x 2 = 20 Marks)

Answer All Questions. All Questions carry equal marks.

- 1 Write about the functions of plasma.
- 2 Define the following terms:
(i) Anterior (ii) Superior (iii) Proximal Lateral
- 3 Explain briefly about cardiac muscle.
- 4 Define joint and explain the structural classification of joints.
- 5 Define tissue and write the location and functions of simple squamous epithelium.
- 6 Define the terms fibrillation and myocardial infarction.
- 7 List the different types of taste buds and write their functions.
- 8 Write about the functions of ribosomes with diagram.
- 9 Explain different types of cartilage tissues.
- 10 Define osmosis and diffusion.

PART – B (2x10=20 Marks)

Answer Any Two Questions. All Questions carry equal marks.

- 11 Write about the process of hemostasis in detail and add a note on clotting factors.
- 12 Define blood pressure and explain how to regulate the blood pressure.
- 13 What are cranial nerves? Explain in detail about the cranial nerves.

PART – C (7x5=35 Marks)

Answer Any Seven Questions. All Questions carry equal marks.

- 14 Explain the components of neuromuscular junction.
- 15 Explain the various parts of the following bones with neat diagrams
(a) Humerus (b) Sacrum
- 16 Define anemia and explain different types of anemia.
- 17 Describe the structure and functions of thymus gland.
- 18 Explain the structure and functions of plasma membrane.
- 19 Write about the structure and functions of sympathetic nervous system.
- 20 What is ECG and correlate the ECG with cardiac cycle events?
- 21 Describe the structure of eye with a neat labeled diagram.
- 22 What are synovial joints and describe the different types of synovial joint?
