

FACULTY**Pharm D (6–YDC) I – Year (Main & Backlog) Examination, July 2018****Subject: Human Anatomy and Physiology****Time: 3 Hours****Max.Marks: 70****Note: Answer all questions from Part – A. Any Five questions from Part – B.****PART – A (10x2 = 20 Marks)**

- 1 Define the terms:
 - a) Myocardial infarction
 - b) Cardiac arrhythmia
- 2 Give the composition of intestinal and pancreatic juice.
- 3 Write a note on working status of heart in athletes.
- 4 What is rennin-angiotension-aldosterone system?
- 5 Define the terms IPSP and EPSP with examples.
- 6 Explain the terms:
 - a) Asphyxia
 - b) Resuscitation
- 7 Write the functions of mineralocorticoids.
- 8 Name the different types of synovial joints with examples.
- 9 What is membrane potential?
- 10 Write the differences between sympathetic and para sympathetic nervous system.

PART – B (5x10 = 50 Marks)

- 11 a) Classify tissues. List out the different types of connective tissues. Describe the histology of bone with a neat labeled diagram. 7
b) Write the composition and functions of blood. 3
- 12 Discuss the physiology of respiration in detail. 10
- 13 a) Describe the anatomical features of heart with a neat labeled diagram. 6
b) Define blood pressure and add a note on its regulation. 4
- 14 Describe the anatomical features of ear with a neat labeled diagram and discuss the physiology of hearing. 6+4
- 15 Write a note on:
 - a) Spermatogenesis 5
 - b) Oral contraceptives 5
- 16 List out the cranial nerves and discuss its functions. 10
- 17 Write the process of digestion and absorption in GIT. 10
- 18 Give a detailed note on pituitary gland. 10
