

**FACULTY OF PHARMACY**  
**Pharm. D (6 YDC) I-Year (Instant) Examination, March 2018**

**Subject : Human Anatomy and Physiology**

**Time : 3 Hours**

**Max. Marks: 70**

**Note: Answer all questions from Part – A, answer any five questions from Part-B.**

**PART – A (10 x 2 = 20 Marks)**

- 1 Define the terms ipsilateral, proximal with examples.
- 2 Draw the diagram of osteon with labelling.
- 3 What is sickle cell disease?
- 4 Define cardiac cycle. What is cardiac cycle time?
- 5 Name the posterior pituitary hormones and what are their functions.
- 6 List the cranial nerves with cholinergic functions.
- 7 Mention different muscles of eye and their functions.
- 8 What are the functions of WBC?
- 9 Define the term myasthenia gravis.
- 10 Write about the functioning of different valves of heart.

**PART – B (5 x 10 = 50 Marks)**

- 11 (a) What are different cells present in connective tissues? (2)  
(b) Write a note on different types of connective tissue. (8)
- 12 (a) Write about the two divisions of skeletal system. (3)  
(b) Write in detail about pectoral girdle. (7)
- 13 Compare the anatomy and physiology of the two divisions of autonomic nervous system.
- 14 Define B.P. and write a note on control and regulation of B.P.
- 15 Write a note on thyroid gland anatomy, regulation and functions of its secretions.
- 16 (a) Write in detail about the formation of urine. (7)  
(b) What is juxtaglomerular apparatus? (3)
- 17 Describe the anatomy and physiology of tongue with labelled diagrams.
- 18 Write a note on :  
(a) Chemical and mechanical methods of contraception. (5)  
(b) Digestion and absorption of proteins and carbohydrates. (5)

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