

First Semester B.Pharm Degree Examinations February 2019

Human Anatomy and Physiology

(2017 Scheme)

Time: 3 Hours

Max. Marks: 75

- **Answer all questions**
- **Draw diagrams wherever necessary**

Essay

(2x10=20)

1. Draw the structure of ear and label. How the impulses are formed and conducted for hearing sensation.
2. Classify the tissue. Mention the types of connective tissue, their location and functions

Short Notes

(7x5=35)

3. Explain the process of erythropoiesis and mention the role of erythropoietin
4. Mechanism of skeletal muscle contraction
5. Neuromuscular junction
6. Functions of parasympathetic nervous system
7. Mechanism of equilibrium
8. Mention the parts and functions of vertebral column
9. Blood groups and their importance.

Answer Briefly

(10x2=20)

10. What are rods and cones
11. Functions of neurons
12. Characteristics features of muscular tissues
13. Leucocyte disorder
14. Types of joints and their movements
15. Name the disorders of vitamin K and iron
16. Types of valves in the heart
17. Classification of bones with example
18. Diseases of the eye
19. Types of cartilage
