

First Semester B.Pharm Degree Supplementary Examinations
February 2021
Human Anatomy and Physiology
(2017 Scheme)

Time: 3 Hours

Max. Marks: 75

- *Answer all questions to the point neatly and legibly • Do not leave any blank pages between answers • Indicate the question number correctly for the answer in the margin space*
- *Answer all parts of a single question together • Leave sufficient space between answers*
- *Draw table/diagrams/flow charts wherever necessary*

Essay

(2x10=20)

1. Explain in detail about the steps involved in the formation of RBC.
2. Describe the events in cardiac cycle with a neat diagram

Short Notes

(7x5=35)

3. Explain the composition and functions of blood
4. Neuromuscular junction
5. Explain the difference between Sympathetic Nervous system and Parasympathetic Nervous System
6. Explain lymphatic circulation with a neat diagram
7. Anatomy and functions of ear
8. ECG
9. Describe the structure and functions of epithelial cells

Answer Briefly

(10x2=20)

10. Explain cell junctions
11. Explain the structure and functions of neuron
12. Anatomy of tongue
13. Define anemia. Enlist types of anemia.
14. Types of bone
15. Types of Joints movements.
16. List out any three cranial nerves and its function
17. Define cardiac output and blood pressure
18. Explain Significance of Blood Transfusion.
19. Define Arrhythmia, myocardial infarction and congestive heart failure
