

First Year B.Pharm Degree Supplementary Examinations June 2019
Human Anatomy and Physiology
(2012 Scheme)

Time: 3 Hours

Total Marks: 100

- Answer all Questions.
- Draw diagrams wherever necessary.

Essay

(3x10=30)

1. Explain visual pathway and physiology of vision with a neat labelled diagram of eye.
2. Draw a neat labelled diagram of nephron and explain the physiology of urine formation
3. Classify joints with suitable examples. Describe the characteristics and movements of a synovial joint.

Short notes

(14x5=70)

4. Structure and composition of bone.
5. Spermatogenesis
6. Give an account of lymphatic system
7. Explain conduction system of heart in detail.
8. Justify the statement "Pancreas is both an exocrine and endocrine gland".
9. Explain the transportation of oxygen and carbon dioxide.
10. Hormones of posterior pituitary
11. Explain briefly about the components and functions of blood
12. Lung volumes and capacities
13. Explain about systemic and pulmonary circulation.
14. Neuro transmission in sympathetic system.
15. Describe about the spinal cord with neat labeled diagram
16. Blood grouping and Rh typing.
17. Peculiarities and electrophysiology of skeletal muscles.
