

First Year B.Pharm Degree Examinations - July 2015

(2012 - Scheme)

HUMAN ANATOMY AND PHYSIOLOGY

Time: 3 Hours

Total Marks: 100

- Answer all Questions.
- Draw diagrams wherever necessary.

Essay

(3x10=30)

1. Describe the intrinsic and extrinsic pathway of blood clotting
2. Explain the anatomy and physiology of cerebrum with a neat diagram.
3. Classify bones. Draw diagrams of various bones of arms and legs and explain its salient features.

Short notes

(14x5=70)

4. Anatomically distinguish skeletal and smooth muscles of humans.
5. Explain the various transport mechanisms in the body for the transport of essential nutrients across the cell.
6. Draw a neat diagram of ECG. Explain the importance of PR, QT and QRS intervals in ECG.
7. Various heart sounds and mention its clinical importance.
8. Common blood disorders.
9. Structure of pancreas and explain its function in blood sugar regulation.
10. Explain the transportation of oxygen and carbon dioxide.
11. Enumerate the functions of kidney.
12. Explain the menstrual cycle.
13. What is negative feed-back mechanism. Illustrate negative feedback mechanism of hormone regulation with an example.
14. Composition of CSF and mention its functions.
15. List the important functions of sympathetic nervous system
16. Functions of skin.
17. Functions of testosterone.
