

2012 Scheme

QP CODE: 114006

Reg. No:

First Year B.Pharm Degree Supplementary Examinations December 2020 Human Anatomy and Physiology

Time: 3 Hours

Total Marks: 100

- *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

(3x10=30)

1. Explain the anatomy of spinal cord and mention the cranial nerves.
2. Explain blood pressure. Explain the factors influencing the blood pressure.
3. Explain the biosynthesis and functions of thyroid hormones.

Short notes

(14x5=70)

4. Enlist the components of cell membrane and explain its different protein channel for transport mechanism.
5. Explain ABO system of blood grouping and write its importance in blood transfusion.
6. Explain the functions of sympathetic system.
7. Draw a neat labelled diagram of neuron and write the functions.
8. Role of kidney in maintaining acid-base balance.
9. Explain spermatogenesis and oogenesis.
10. Explain the functions of liver.
11. Explain the layers of gastrointestinal tract.
12. Draw a structure of ear. Describe the middle ear.
13. Define the following: Gigantism & acromegaly, Cretinism & myxedema, Tetany
14. Describe the process and factors affecting pulmonary ventilation.
15. What are clotting factors. Write its significance in clotting mechanism.
16. Explain the structures of connective tissue with one example each.
17. Explain the structure and functions of parathyroid gland.
