

QP CODE: 101326

Reg. No:

**First Year Pharm D Degree Supplementary Examinations
January 2019**

Human Anatomy and Physiology

Time: 3 Hours

Total Marks: 70

- Answer all Questions.
- Draw Diagrams wherever necessary.

Essays

(3x10=30)

1. Describe the physiology of contraction and relaxation of skeletal muscle with a neat, labelled diagram
2. Discuss the various factors regulating tone of the blood vessels and normal blood pressure
3. Explain the functions of hypothalamus. Compare and contrast sympathetic and parasympathetic nervous systems

Short notes:

(8x5=40)

4. Various components of ECG
5. Formation, circulation and functions of cerebrospinal fluid
6. Physiology of respiration
7. Cellular components and functions of liver
8. Names and functions of cranial nerves
9. Male reproductive hormones and its functions
10. Functions of skin
11. ABO blood grouping
