

VINAYAKA MISSION'S RESEARCH FOUNDATIONS, SALEM
(Deemed to be University)

Pharm.D DEGREE EXAMINATION - August 2018
First Year

HUMAN ANATOMY AND PHYSIOLOGY

Time: Three hours

Maximum: 70 marks

I. Write essays on any **TWO** questions: (2 x 15 = 30)

1. Draw the labeled diagram of Human Heart. Discuss in detail about cardiac cycle.
2. Draw the structure of Nephron. Write in detail about physiology of urine formation.
3. a) Add a note on various contraceptive devices.
b) Explain the physiology of menstruation.

II. Write short answers on any **SIX** questions: (6 x 5 = 30)

4. Functions of sympathetic nervous system.
5. Structure of eye
6. Add a note on Renin Angiotensin system in blood pressure regulation.
7. Write a note on spermatogenesis.
8. Functions of thyroid hormone.
9. Regulation of respiration
10. Structure of liver and its function
11. Define coagulation. Mechanism of coagulation.

III. Write short notes on any **FIVE** question: (5 x 2 = 10)

12. Define cardiac arrhythmias.
13. What is meant by resuscitation?
14. Any two functions of cell membrane.
15. Types of joint movements.
16. Name the hormones released from posterior pituitary hormones.
17. Any two functions of basal ganglia.
