

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

B.PHARM. DEGREE EXAMINATION – October 2021
Second Semester

HUMAN ANATOMY AND PHYSIOLOGY - II

Time : Three hours

Maximum: 75 marks

I. Write essays on any **TWO** questions: (2 x 10 = 20)

1. Explain the anatomy of respiratory system with neat labelled diagram. Add a note on mechanism of respiration.
2. With illustrated diagram explain about the structure and function of a Nephron.
3. i) Explain about anatomy of female reproductive system.
ii) Give a brief note on menstrual cycle.

II. Write short answers on any **SEVEN** questions: (7 x 5 = 35)

4. Physiology of urine formation.
5. Give the composition of cerebrospinal fluid.
6. Discuss the physiology and functions of thyroid glands.
7. Composition and functions of pancreatic juice.
8. Discuss about the formation and role of ATP.
9. Different types of salivary glands, composition of saliva.
10. Draw a neat diagram of a neuron and discuss briefly on action potential.
11. Genetic pattern of inheritance.
12. Describe the associated structures and functions of cerebellum.

III. Write short notes on: (10 x 2 = 20)

13. Reflex arc.
14. Functions of hypothalamus.
15. Composition of bile.
16. Functions of liver.
17. BMR.
18. Tidal volume.
19. What is resuscitation?
20. Role of different hormones in parturition.
21. Components of DNA.
22. Fertilization.