

**VINAYAKA MISSION'S RESEARCH FOUNDATION
(DEEMED TO BE UNIVERSITY), SALEM**

**B.PHARM. DEGREE EXAMINATION – JULY 2019
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. a) Write a neat diagram explain the anatomy of respiratory system. Give the functions of respiratory organs.
b) Add a note on regulation of respiration.
2. Explain the structure and function of male and female reproductive system?
3. a) Draw a diagram and describe the organs of digestive system.
b) Explain their role in digestion of food.

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

4. Define gene and explain the function of gene.
5. Discuss the various stages of menstrual cycle.
6. Function of cerebrum and cerebellum.
7. What is spermatogenesis and its regulations?
8. Hormones acting on kidney.
9. Describe the secretion of gastric juice and its function.
10. Protein synthesis.
11. Describe the structure and function of small intestine.
12. Give the function and composition of saliva.

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

13. What is resuscitation?
14. Two important function of pancreas.
15. Any two contraceptive methods for male.
16. Give composition of bile.
17. Define vital capacity.
18. BMR
19. Creatinine phosphate.
20. Fertilization.
21. Action potential.
22. Difference between afferent and efferent nerve.