

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

**B.PHARM. DEGREE EXAMINATION – October 2021**  
**First Semester**

**HUMAN ANATOMY AND PHYSIOLOGY - I**

Time : Three hours

Maximum: 75 marks

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

1. Describe anatomy of heart and write in detail about blood circulation.
2. Explain the structure of eye with a neat labelled diagram. Describe the physiology of vision.
3. i) Composition and functions of lymph.  
ii) Explain about connective tissues.

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

4. Describe various types of muscular tissues.
5. Explain the physiology of muscle contraction.
6. Write notes on the Vertebral bones.
7. Cranial nerves and its functions.
8. Explain Auditory and Non-Auditory functions of Ear.
9. Functions of parasympathetic system.
10. Write the composition and functions of blood.
11. Hepatic circulation.
12. Immovable joint.

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

13. Function of Ribosomes.
14. Anaemia.
15. Bones of skull.
16. Layers of skin.
17. Rh factor.
18. Erythroblastosis Foetalis.
19. Cardiac output.
20. Spinal nerves.
21. Glaucoma.
22. Ganglia.

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