

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

**BACHELOR OF PHYSIOTHERAPY DEGREE EXAMINATION**  
**October 2021**  
**First Semester**

**HUMAN ANATOMY - I**

Time: Three hours

Maximum: 100 Marks

Answer **ALL** questions.

**I. ESSAY:** (2 x 15 = 30)

1. Discuss the type, articular surfaces, ligaments, movements of wrist joint and muscles producing the movements.
2. Discuss the classification, structure of fibrous, cartilaginous joints, blood supply and nerve supply of joints.

**II. SHORT NOTES:** (8 x 5 = 40)

3. Summarize the development of brain.
4. Describe in detail about the structure of synovial joint.
5. Briefly explain about synapse with diagram.
6. Describe the origin, insertion, action and nerve supply of the muscles of pectoral region.
7. Explain the attachments and action of the lumbricals of hand.
8. Describe about the lobes of right lung.
9. Write a brief note on the structure and relations of right atrium.
10. Describe the structure and hormones of adrenal cortex.

**III. SHORT ANSWERS:** (10 x 3 = 30)

11. Define cartilage.
12. Define bone.
13. Define ovum.
14. Define neural tube.
15. Significance of Erb's point.
16. List the structures passing under the flexor retinaculum of hand.
17. State the action and nerve supply of abductor digiti minimi.
18. Name the layers of heart.
19. Structure and placement of tricuspid valve.
20. Structure and placement of semilunar valve.

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