

Sl.No: M21148

Course Code: 2110203

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

**BACHELOR OF PHYSIOTHERAPY DEGREE EXAMINATION**  
September 2021  
Second Year

**BIOCHEMISTRY AND PHARMACOLOGY**

Time: Three hours

Maximum: 100 Marks

**Answer Section A and Section B in SEPARATE Answer Book**  
**Answer ALL questions**  
**Draw suitable diagrams wherever necessary**

**BIOCHEMISTRY**

**(50 Marks)**

**I. ESSAY:** (1 x 20 = 20)

1. Describe the sources, biochemical functions and deficiency manifestations of vitamin A,B,C,D,K,E.

**II. SHORT NOTES:** (4 x 5 = 20)

2. Proteins - definition, classification with examples.
3. Hypo and hypercalcemia.
4. Nitrogen balance and its significance.
5. High density lipoproteins.

**III. SHORT ANSWERS:** (5 x 2 = 10)

6. Name any two peptide hormones.
7. What are bile salts?
8. What are the functions of copper?
9. What is Benedict's reaction?
10. Name the lipoproteins.

(p.t.o)

## PHARMACOLOGY

(50 Marks)

### I. ESSAY:

(1 x 20 = 20)

1. Define Parkinsonism? What are anti-parkinsonism drugs? Write characteristics of Parkinsonism?

### II. SHORT NOTES:

(4 x 5 = 20)

2. Describe the uses and side effects of gonadal hormones
3. Classify the antimicrobial drugs.
4. Describe about plasma expanders.
5. Describe distribution.

### III. SHORT ANSWERS:

(5 x 2 = 10)

6. What is arrhythmia?
7. Define anthelmintic drugs. Give few examples.
8. What is bioavailability?
9. Define analgesia.
10. Explain the general effect of beta blockers.

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