

Sl.No: M21258

Course Code: 21119303

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

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

**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 15 = 15)

1. What is the normal cholesterol level in blood? Describe the synthesis and regulation of cholesterol synthesis. List the products formed from cholesterol.

**II. SHORT NOTES:**

(4 x 5 = 20)

2. Explain the Enzymes of myocardial infarction.
3. List the Function of iodine/ copper.
4. List the thyroid hormones and give their metabolic functions.
5. Write a brief note on Balanced diet.

**III. SHORT ANSWERS :**

(5 x 3 = 15)

6. List the hormones which stimulate pancreatic secretion.
7. Define Fluorosis.
8. Define Wilson's disease.
9. What is calorie value of foods?
10. What are bile salts?

(p.t.o)

## PHARMACOLOGY

(50 Marks)

**I. ESSAY:** (1 x 15 = 15)

1. List the anti-shock drugs. Discuss the classification and uses of drugs used in shock. List the drugs used in anaphylactic shock.

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

2. Define diuretics. Write a brief note on the mechanism of action with examples.
3. Differentiate sedative and hypnotics.
4. List the beneficial actions of anti-inflammatory drugs.
5. Differentiate hypo and hyperthyroidism.

**III. SHORT ANSWERS :** (5 x 3 = 15)

6. Define neurotransmitters.
7. Define analgesia.
8. List the hormones secreted by thyroid gland.
9. Write a note on prophylactic antimicrobial therapy.
10. List the adverse effects of chloroquine.

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