

Sl.No: M19135

Course Code: 2110203

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

BACHELOR OF PHYSIOTHERAPY DEGREE EXAMINATION
August 2018

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. What are the major liver functions? Give a brief note on each one of them. Add a note on the liver function tests which help to assess these functions.

II. SHORT NOTES:

(4 x 5 = 20)

2. Absorption of calcium.
3. Hormonal control of calcium level.
4. Regulation of sodium and water balance.
5. What are the functions of chloride?

III. SHORT ANSWERS :

(5 x 2 = 10)

6. What is Renaturation?
7. What is normal serum cholesterol level? Name some disorders in which it is increased.
8. What is Fluorosis?
9. What is the importance of Zinc?
10. What are hormone receptors?

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PHARMACOLOGY

(50 Marks)

I. ESSAY:

(1 x 20 = 20)

1. Describe various factors modifying drug action? Add a note on adverse drug reaction and its types.

II. SHORT NOTES:

(4 x 5 = 20)

2. What do you mean by carrier transport? What are the types?
3. Describe distribution.
4. What are diuretics? Describe the mechanism of action. Give examples.
5. Describe about plasma expanders.

III. SHORT ANSWERS :

(5 x 2 = 10)

6. Define agonist and antagonist.
7. What do you mean by neurotransmitters?
8. Explain the contraindications of opioids.
9. Name the hormones secreted by thyroid gland.
10. What is prednisolone?

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