

Sl.No: M21568

Course Code: 2110203

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

BACHELOR OF PHYSIOTHERAPY DEGREE EXAMINATION
August 2019
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 lipids? Classify lipids giving suitable example. What are the functions of lipids? Add a note on phospholipids.

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

2. Lower density lipoproteins.
3. Thermogenic effect.
4. Glomerular function tests.
5. Regulation of calcium.

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

6. Name the Proteolytic enzymes of pancreas?
7. What is Wilson's disease?
8. Name the blood buffers. Which is the predominant buffer system?
9. What is aldosterone? What is its function?
10. Give the markers of renal diseases and their normal levels in blood.

(p.t.o)

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PHARMACOLOGY

(50 Marks)

I. ESSAY:

(1 x 20 = 20)

1. Classify non-steroidal anti-inflammatory agents? Write about mechanism of action, uses and adverse effects aspirin?

II. SHORT NOTES:

(4 x 5 = 20)

2. Differentiate pharmacodynamic and pharmacokinetics.
3. Explain the distribution of iron in human body.
4. Define and describe about oral contraceptive.
5. Describe the classification of antiemetic.

III. SHORT ANSWERS:

(5 x 2 = 10)

6. What are the adverse effects and contraindications of beta blockers?
7. What are the plasma substitutes?
8. List down the commonly used antidepressants.
9. Name the hormones secreted by thyroid gland.
10. What do you mean by prophylactic antimicrobial therapy?
