

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

P.B.B.Sc. (NURSING) DEGREE EXAMINATION – August 2019
First Year

BIOCHEMISTRY AND BIOPHYSICS

Time: Three hours

Maximum: 75 marks

SECTION – A

(37 ½ Marks)

I. Answer ALL the Questions:

(5 x 2 = 10)

1. Give two examples of transport proteins.
2. Define gluconeogenesis.
3. Name any two disaccharides.
4. Name any two digestive enzymes.
5. Write any two functions of electrolytes.

II. Write short notes for any THREE of the following:

(3 x 5 = 15)

6. Renal function test.
7. Metabolic acidosis.
8. Creatinine clearance.
9. Kwashiorkor.

III. Write Long Essay :

(1 x 12 ½ = 12 ½)

10. a) Write in detail about glycogen storage diseases.

(OR)

11. b) Explain the biosynthesis of protein in cells.

SECTION – B

(37 ½ Marks)

I. Answer ALL the Questions:

(2 x 5 = 10)

1. Noise pollution.
2. Harmful effects of ultraviolet rays.
3. Relative humidity.
4. Temperature scales.
5. Simple pulleys.

II. Write any THREE of the following:

(3 x 5 = 15)

6. Radiation protection.
7. Applications of light in nursing.
8. Pacemaker.
9. Differentiate between scalar and vector quantities.

III. Write Long Essay:

(1 x 12 ½ = 12 ½)

10. a) Describe in detail various equipments used in intensive care unit.

(OR)

11. b) Write in detail on the physiology of hearing.