

KALOJI NARAYANA RAO UNIVERSITY OF HEALTH SCIENCES

WARANGAL, TELANGANA STATE – 506 002

BPT FIRST YEAR DEGREE SUPPLEMENTARY EXAMINATIONS: JULY, 2024

BIOCHEMISTRY

Time: 3 Hours

Max Marks: 80

Note: Answer all questions

Give Diagrammatic representation wherever necessary.

Write an essay on the following:

2 X 10 = 20

1. a) How is Blood Sugar level maintained? What are factors that affect Glucose Homeostasis? (5+5)

OR

b) Write an essay on Fat Soluble Vitamins.

2. a) Discuss the Nutritional aspects of Dietary Proteins.

OR

b) Explain the role of Lungs and Kidneys in Acid Base Balance.

Write a short note on the following:

8 X 5 = 40

3. Creatinine Clearance Test.
4. Regulations of Water balance.
5. Cory's Cycle.
6. Trans Amination.
7. Basal Metabolic Rate.
8. Osmolarity.
9. Calorimetry.
10. Carbohydrate classification.

Write briefly on the following:

10 X 2 = 20

11. Lactose Intolerance.
12. Signal Transduction.
13. Fluoride.
14. Anti-Vitamins.
15. Maple – Syrup Urine Diseases.
16. Respiratory Quotient.
17. Competitive Inhibitors.
18. Ascorbic Acid.
19. Collagen.
20. Protein- Energy Malnutrition.
