

**KALOJI NARAYANA RAO UNIVERSITY OF HEALTH SCIENCES**

**TELANGANA STATE, WARANGAL – 506 002**

**B.Sc. (Allied Health Sciences), FIRST YEAR DEGREE SUPPLEMENTARY**

**EXAMINATIONS: NOVEMBER, 2024**

**BIOCHEMISTRY**

**(Common for all B.Sc. (Allied Health Sciences) courses)**

**Time: 3 Hours**

**Max Marks: 80**

**Note:** Answer all questions

Draw diagrams whenever necessary with Black Ball point pen /HB pencil /any dark

Color pencil.

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**Write essay on any TWO of the following questions:**

**2 X 10 = 20**

1. Write about Dietary Sources, daily requirements, function and deficiency disorders of Vitamin D.
2. Classify proteins and describe the structure of Proteins.
3. Classify Enzymes. Explain about factors affecting Enzyme activity. List the competitive inhibitors.

**Write a short note on any FIVE of the following:**

**5 X 6 = 30**

4. Basal metabolic rate and factors affecting it.
5. Jaundice.
6. Polysaccharides
7. Structure of Haemoglobin.
8. Isomerism with suitable examples.
9. Functions of Iron.

**Write briefly on the following:**

**10 X 3 = 30**

10. Biological value of protein.
11. Antibodies.
12. Causes of Hyperglycaemia
13. Coenzyme.
14. Normal values of liver enzyme.
15. Name three trace elements.
16. Antioxidants.
17. List three important Monosaccharides.
18. Membrane proteins.
19. Kwashiorkor.