

Rajiv Gandhi University of Health Sciences, Karnataka
I Semester Bachelor of Occupational Therapy Degree Examination - 20-Dec-2022

Time: Three Hours

Max. Marks: 100

BIOCHEMISTRY (RS)

Q.P. CODE: 3414

Your answers should be specific to the questions asked
Draw neat, labeled diagrams wherever necessary

LONG ESSAYS (Answer any Two)

2 x 10 = 20 Marks

1. Define TCA Cycle? Enumerate the pathway of TCA cycle and add a note on its energetic
2. Explain Chemistry, source, daily requirement, functions and deficiency disorders of vitamin C
3. Explain Respiratory mechanism in acid base balance

SHORT ESSAYS (Answer any Ten)

10 x 5 = 50 Marks

4. Define amino acids and classify amino acids with examples
5. Explain renal function test
6. Briefly discuss the requirements of group II D Hormone
7. Discuss energy requirement of a person
8. Explain the structure and function of t-RNA
9. Diabetes mellitus
10. Functions and deficiency disorders of phosphorus
11. Explain the factors affecting enzyme activities
12. Explain urea cycle
13. Functions and disorders of vitamin A
14. Explain digestion and absorption of carbohydrates
15. Explain the structure and functions of cell membrane

SHORT ANSWERS (Answer any Ten)

10 x 3 = 30 Marks

16. Cori cycle
17. Functions of phospholipids
18. Acidosis
19. BMR
20. Normal serum levels of phosphorus and ca
21. Functions of folic acid
22. m-RNA
23. Iso enzymes
24. Collage
25. Nutritional Disorders
26. Passive transport
27. Mitochondria