

Rajiv Gandhi University of Health Sciences, Karnataka
I Semester Bachelor of Occupational Therapy Degree Examination – 29-Nov-2023

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 Beta oxidation? Enumerate the pathway of Beta oxidation and add a note on its energetic
2. Explain Chemistry, source daily requirement functions and deficiency disorders of vitamin D
3. Explain the steps involved in Gluconeogenesis

SHORT ESSAYS (Answer any Ten)

10 x 5 = 50 Marks

4. Classify Enzymes. Explain with examples
5. Explain liver function test
6. Explain the role of lungs to maintain acid and base
7. Briefly discuss the mechanism of group II B hormone
8. Describe nutritional disorders
9. Discuss hormonal regulation of blood glucose
10. Functions and deficiency disorders of Iron
11. Discuss Watson and crick model of DNA
12. Explain digestion of lipids
13. Classification of protein based on its functions
14. Describe the steps involved in heme synthesis
15. Functions of vitamin B complex

SHORT ANSWERS (Answer any Ten)

10 x 3 = 30 Marks

16. Diabetes mellitus
17. Functions of cholesterol
18. Jaundice
19. Calorific values of food
20. Normal serum levels of Iron and calcium
21. Functions of thiamine
22. Nucleoside
23. Active site
24. Kwashiorkor
25. Active transport
26. Acidosis
27. Mitochondria

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