

Rajiv Gandhi University of Health Sciences, Karnataka
I Semester Bachelor of Occupational Therapy Degree Examination – 22-May-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 of Glycolysis? Enumerate the pathway of glycolysis and add a note on its energetic
2. Explain Chemistry, source daily requirement functions and deficiency disorders of vitamin A
3. Explain renal mechanism in acid base balance

SHORT ESSAYS (Answer any Ten)

10 x 5 = 50 Marks

4. Explain urea cycle
5. Explain kidney functions test
6. Briefly discuss the mechanism of group I Hormone action
7. Explain the composition of food
8. Explain Watson and crick model of DNA
9. Discuss the process of digestion and absorption of carbohydrates
10. Functions and deficiency disorder of calcium
11. Explain the process of Heme degradation
12. Classify lipids with example
13. Briefly explain the different types of enzyme inhibition
14. Discuss Diabetes mellitus and its clinical complications
15. Briefly explain the function and deficiency disorders of vitamin C

SHORT ANSWERS (Answer any Ten)

10 x 3 = 30 Marks

16. Signification of HMP shunt pathology
17. Functions of ketone bodies
18. Alkalosis
19. SDA
20. Normal serum levels of phosphorus and Iron
21. Functions of niacin
22. Nucleotides
23. Diagnostic enzymes
24. Myosin
25. Marasmus
26. Jaundice
27. Golgi apparatus