

Rajiv Gandhi University of Health Sciences, Karnataka

I Semester Bachelor of Occupational Therapy Degree Examination – 27-Nov-2024

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. Explain the source, daily requirement, functions and deficiency – disorder of Vitamin "A".
2. Explain the steps involved in β oxidation of fatty acids.
3. Explain the energy requirement of a person.

SHORT ESSAYS (Answer any Ten)

10 x 5 = 50 Marks

4. Explain TCA cycle. Add a note on its Energetics.
5. Explain Urea cycle.
6. Creatinine clearance test.
7. Explain the structure and function of m-RNA.
8. Functions and deficiency disorder of phosphorus.
9. Explain the mechanism of Group II A Hormone.
10. Digestion and absorption of lipids.
11. Explain the energy requirement of a person.
12. Explain the role of lungs in acid base balance.
13. Explain the classification of amino acids.
14. Define Basal metabolic rate and write about any four factors affecting basal metabolic rate.
15. Explain HMP shunt pathway.

SHORT ANSWERS (Answer any Ten)

10 x 3 = 30 Marks

16. Neurotransmitter
17. Tropomyosin
18. Osmosis
19. Nucleus
20. Nutritional disorder
21. Normal serum level of Iron & Calcium
22. Active site of an enzyme
23. Functions of lipoproteins
24. Diabetes mellitus
25. Jaundice
26. Nucleotides
27. Essential amino acids.
