

## Rajiv Gandhi University of Health Sciences, Karnataka

II Year B.Sc. (M.L.T) Degree Examination – AUG/SEP 2016

Time: Three Hours

Max. Marks: 80 Marks

### BIOCHEMISTRY – II (RS - 2)

Q.P. CODE: 1231

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. Write the role of lipid metabolism during starvation.
2. Name the B complex vitamins. Write a note on Riboflavin function.
3. What is BMR? Mention the factors affecting BMR.

#### SHORT ESSAYS (Answer any Six)

6 x 5 = 30 Marks

4. How is urea produced in the body?
5. Write a note on energetic of TCA cycle.
6. Explain the Beer-Lambert's law.
7. Protein energy malnutrition (PEM)
8. What are the factors affecting enzyme activity?
9. What is viscosity? Mention their applications.
10. What are the functions of carbohydrates?
11. Write the functions of Vitamin A.

#### SHORT ANSWERS (Answer any Ten)

10 x 3 = 30 Marks

12. How is galactose metabolized in the body?
13. List normal constituents of urine.
14. Write a note on lipid digestion.
15. Write a note on turbidometry.
16. Give the clinical significance of creatinine.
17. What are the disease manifestations of deficiency of vitamin C?
18. Give the electrophoretic pattern of normal serum electrophoresis.
19. Explain the term active site of enzyme.
20. Write a note on Wald's visual cycle.
21. Write a note on flame photometry.
22. How are drugs estimated?
23. Write a note on balanced diet.

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