

Rajiv Gandhi University of Health Sciences, Karnataka

Second Semester B.Pharm Degree Examination – 06-May-2025

Time: Three Hours

Max. Marks: 75 Marks

BIOCHEMISTRY **Q.P. CODE: 5007**

Your answers should be specific to the questions asked
Draw neat labeled diagrams wherever necessary
All the questions are compulsory

LONG ESSAYS

2 x 10 = 20 Marks

1. Discuss the various factors affecting enzyme activity
OR
Define Gluconeogenesis and explain the reaction involved in it with significance
2. Explain De novo Biosynthesis of fatty acid in the body

SHORT ESSAYS

7 x 5 = 35 Marks

3. Describe various types of enzyme inhibitors
OR
Discuss the biological significance of protein in the body
4. Explain disorders of lipid metabolism
OR
Explain Electron transport chain
5. Write the formation of ketone bodies
6. Give the chemical classification of amino acids
7. Explain different types of RNA
8. Define Genetic code and give its salient features
9. Discuss Glycogen storage diseases

SHORT ANSWERS

10 x 2 = 20 Marks

10. Write the functions of adrenaline
11. Write the role of Carnitine in the oxidation of fatty acids
12. Name the different types of jaundice
13. Name the energy rich compounds
14. What is Phenylketonurea (PKU)?
15. What is hyperuricemia?
16. What are Iso-enzymes give example
17. Write the significance of HMP pathway
18. What is gout?
19. Define enzyme induction give example
