

www.caneststar.com
Rajiv Gandhi University of Health Sciences, Karnataka
First Phase MBBS Degree Examination – June 2013

Time: Three Hours

Max. Marks: 100 Marks

BIOCHEMISTRY (RS2 & RS3)

QP Code: 1079 – Paper I (Max.Marks:50)

Your answers should be specific to the questions asked

Draw neat labeled diagrams wherever necessary

Use separate answer books for section A and Section B

LONG ESSAYS

1 x 10 = 10 Marks

1. What are enzymes? Classify enzymes with one example each. Explain any four factors that affect enzyme activity.

SHORT ESSAYS

5 x 5 = 25 Marks

2. Define gluconeogenesis. How is alanine converted to glucose?
3. What is substrate level phosphorylation? Give **two** examples with complete reaction.
4. Classify lipoproteins and write the functions of each lipoprotein.
5. What are transamination reactions? Giving **two** examples discuss the importance of these reactions.
6. Classify proteins based on their function giving an example for each class.

SHORT ANSWERS

5 x 3 = 15 Marks

7. High energy compounds
8. Glycogen storage disorders.
9. Enzymes of diagnostic importance
10. FIGLU excretion test
11. Mitochondrial shuttle systems.
