

Rajiv Gandhi University of Health Sciences, Karnataka

MBBS Phase – I Degree Examination - Dec-2014

Time: Three Hours

Max. Marks: 50 Marks

Biochemistry – Paper I (RS2 & RS3)

Q.P. CODE: 1079

Your answers should be specific to the questions asked

Draw neat, labeled diagrams wherever necessary

(Note: Both QP Codes 1079 and 1080 are to be, answered within total duration of three hours)
(Use separate Answer books for QP Code 1079 & 1080)

LONG ESSAYS

1 x 10 = 10 Marks

1. Describe the mechanisms of Blood Glucose regulation. What are the causes of Hyperglycaemia and Hypoglycaemia?

SHORT ESSAYS

5 x 5 = 25 Marks

2. What are the reactions of β -oxidation of Palmitic acid? Give its Energetics.
3. What is the difference between Oxidative and Substrate level Phosphorylation? Give two examples of Substrate level Phosphorylation.
4. Name three enzymes commonly estimated in Myocardial Infarction. Give its importance and limitations.
5. Define Fatty Liver. What are the causes of Fatty Liver? Name the Lipotropic factors.
6. Describe the Digestion and Absorption of Proteins.

SHORT ANSWERS

5 x 3 = 15 Marks

7. Mechanism of action of Steroid Hormones
8. Alkaptonuria
9. Eicosanoids – functions
10. Detoxification reaction – Phase I
11. Tertiary and quaternary structure of Proteins
