

**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. Classify amino acid based on their structure giving examples.

SHORT ESSAYS**5 x 5 = 25 Marks**

2. What is an allosteric enzyme? Describe with two examples.
3. Discuss the Embden-Meyerhof pathway that occurs in RBC. Add a note on its energetics.
4. What are lipoproteins? Name the lipoproteins and give their functions.
5. What is biotransformation? Discuss the different phases of biotransformation with an example.
6. Describe the biochemical changes that occur during starvation.

Or

Components of electron transport chain

SHORT ANSWERS**5 x 3 = 15 Marks**

7. Pyruvate dehydrogenase complex
8. GABA, PUFA and SAM and their importance
9. Importance of iodine
10. Figlu
11. Epimerism and Anomerism.
