Rajiv Gandhi University of Health Sciences, Karnataka
MBBS Phase – I Degree Examination - AUG - 2017
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. Describe the metabolism of Phenyl Alanine. Add a note on its inborn errors.

SHORT ESSAYS
2. Glycogen storage disorders
3. Define Isoenzymes. Describe its biomedical importance citing any three examples.
4. Describe the Decarboxylation reactions of Amino acids with four examples. Give its significance.

SHORT ANSWERS
7. Pellagra
8. Ketosis
9. Components of Electron Transport Chain
10. Hartnup’s disease
11. Lipoproteins

*****
1. Discuss the process of protein biosynthesis. Name three inhibitors of protein biosynthesis.

2. Describe heme synthesis and add a note on its regulation.

3. Describe recombinant DNA-technology. Mention its applications.

4. Define biological value of protein. What do you mean by complementary proteins? Give examples. What is the requirement of protein in diet?

5. Define codon. What are the salient features of a genetic code?

6. List any three trace elements with their biological function.

7. Mutagens.

8. Okazaki fragments.


*****