

# 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 x 10 = 10 Marks**

1. Describe the metabolism of Phenyl Alanine. Add a note on its inborn errors.

#### SHORT ESSAYS

**5 x 5 = 25 Marks**

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.
5. Define Detoxification. Give any four reactions of Phase II Detoxification.
6. What is HMP Shunt? Give its significance.

#### SHORT ANSWERS

**5 x 3 = 15 Marks**

7. Pellagra
8. ketosis
9. Components of Electron Transport Chain
10. Hartnup's disease
11. Lipoproteins

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