

Rajiv Gandhi University of Health Sciences, Karnataka

MBBS Phase – I Degree Examination - OCT-2017

Time: Three Hours

Max. Marks: 50 Marks

Biochemistry – Paper II (RS2 & RS3)

Q.P. CODE: 1080

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. What are the sources, functions, deficiency manifestations and daily-recommended allowance of Thiamine?

SHORT ESSAYS

5 x 5 = 25 Marks

2. Define Point Mutation. Explain the effects of Point Mutation.
3. Briefly explain the Lac Operon concept.
4. Discuss the features of Genetic Code.
5. Discuss the regulation of Water by Renin-Angiotensin system.
6. What is Wilson's disease? State the cause and the treatment policy.

SHORT ANSWERS

5 x 3 = 15 Marks

7. Hypoalbuminemia
8. What are DNA probes? Mention the types of DNA probes.
9. Describe how Plasma Proteins are separated in the Clinical laboratory.
10. Discuss the nutritional role of Milk and Dairy products.
11. Discuss the role of Carbonic Anhydrase in the Acid Base regulation.
