



Rajiv Gandhi University of Health Sciences, Karnataka

MBBS Phase – I Degree Examination - Dec-2014

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. Define Replication. Describe in detail the process of replication in Eukaryotes.

SHORT ESSAYS

5 x 5 = 25 Marks

2. Describe the catabolism of Heme in the body adding a note on clinical significance.
3. List the requirements, steps of Polymerase Chain reaction.
4. What is meant by Dietary Fiber? List the role of Dietary Fibers.
5. What are the causes of Respiratory Acidosis? List the primary abnormalities of Respiratory Acidosis.
6. Name and explain the functions of plasma proteins with clinical significance.

SHORT ANSWERS

5 x 3 = 15 Marks

7. Discuss the features of Lesch Nyhan syndrome.
8. Draw a neat labelled diagram of tRNA.
9. Tumour markers
10. What is meant by Renal Clearance? How is Creatinine Clearance calculated?
11. What are Restriction Enzymes? List three features of Restriction Enzymes.

