

# Rajiv Gandhi University of Health Sciences, Karnataka

MBBS Phase – I Degree Examination – 31.03.2021

Time: Three Hours

Max. Marks: 50 Marks

## BIOCHEMISTRY – PAPER II (RS3)

QP 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. Describe the sources, RDA, biochemical functions and deficiency manifestations of Vitamin A.

### SHORT ESSAYS

5 x 5 = 25 Marks

2. Heme biosynthesis
3. Biochemical changes and causes of metabolic alkalosis
4. Inhibitors of replication
5. Mutations
6. Use of serum enzyme markers and bilirubin as liver function tests

### SHORT ANSWERS

5 x 3 = 15 Marks

7. Basal metabolic rate
8. Reference value of serum albumin, A/G ratio and its clinical significance
9. Acute intermittent porphyrias
10. tRNA
11. Classes of immunoglobulins and their functions

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