

Rajiv Gandhi University of Health Sciences, Karnataka

MBBS Phase – I Degree Examination - 28-Nov-2020

Time: Three Hours Max. Marks: 50 Marks

BIOCHEMISTRY - PAPER I (RS3) QP 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 $1 \times 10 = 10 \text{ Marks}$

Name the aromatic amino acids. Discuss how phenylalanine is catabolised in the body. Add a note on alkaptonuria.

SHORT ESSAYS 5 x 5 = 25 Marks

- 2. Metabolism of high-density lipoprotein and its significance
- 3. Competitive and non-competitive enzyme inhibition with examples
- 4. How is galactose metabolized? Add a note on galactosemia.
- Reactions of citric acid cycle (TCA cycle) and its energetics 5.
- 6. Formation and utilization of Ketone bodies

SHORT ANSWERS 5 x 3 = 15 Marks

- Active transport across membranes
- www.FirstPanker.com 8. Application of radioactive isotopes in medicine
- 9. Significance of free radicals and antioxidants
- 10. Carcinogens
- Enzyme linked immune sorbent assay 11.

