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Rajiv Gandhi University of Health Sciences, Karnataka

I Year B.Sc. Nursing Degree Examination – APRIL-2019

Time: 3 Hours **Max. Marks: 40 Marks**

Biochemistry

Q.P. Code : 1749

Your answers should be specific to the questions asked. Draw neat labeled diagrams wherever necessary

(Note : Both QP Codes 1748 and 1749 are to be answered within total duration of 3 hours)

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LONG ESSAYS (Any One) **1 x 10 = 10 Marks**

1. Describe the steps involved in TCA cycle and write a note on its energetics.
2. Describe the renal regulation of acid-base balance. Write a note on metabolic acidosis.

SHORT ESSAYS (Any Three) **3 x 5 = 15 Marks**

3. Heteropolysaccharides
4. Lipoprotein – types and functions of Lipoprotein
5. Essential amino acids
6. Name the key enzymes of gluconeogenesis and mention the significance of gluconeogenesis.

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SHORT ANSWERS **5 x 3 = 15 Marks**

7. Benedict's test
8. Immunoglobulin-G
9. Normal serum levels of (a) sodium (b) potassium (c) chloride
10. Beri-Beri
11. Cori cycle

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