

# Rajiv Gandhi University of Health Sciences, Karnataka

**I B.D.S Degree Examination - AUG-2017**

**Time: Three Hours**

**Max. Marks: 35 Marks**

## **BIOCHEMISTRY, NUTRITION & DIETICS**

**Q.P. CODE: 1180**

Your answers should be specific to the questions asked

Draw neat, labeled diagrams wherever necessary

**(Note: Both QP Codes 1179 and 1180 are to be, answered within total duration of three hours)**

### **LONG ESSAYS**

**1 x 10 = 10 Marks**

1. Describe the steps of citric acid cycle with its energetics.

### **SHORT ESSAYS**

**3 x 5 = 15 Marks**

2. Describe the primary and secondary levels of structure of proteins.
3. Mention the types and functions of Lipoproteins.
4. Give sources, functions and RDA of Vitamin A.

### **SHORT ANSWERS**

**5 x 2 = 10 Marks**

5. Blood buffers
6. Give the definition and examples of Uncouplers of Electron Transport Chain.
7. Mention the cause and characteristic features of Pellagra.
8. Name the enzyme defect in following conditions
  - a. Phenyl Ketonuria (PKU)
  - b. Albinism
9. Define Basal Metabolic Rate (BMR) and write the factors that affect BMR.

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