

# Rajiv Gandhi University of Health Sciences

I B.D.S Degree Examination – Jun 2013

Time: 3 Hrs.

[Max. Marks : 35]

## **BIOCHEMISTRY, NUTRITION & DIETICS**

QP Code: 1180

**(Note : Both QP Codes 1179 and 1180 are to be answered within total duration of 3 hours)**

### **LONG ESSAY**

**1 X 10 = 10 Marks**

1. Describe the following aspects of citric acid cycle:
  - a) Reactions
  - b) Energetics
  - c) Regulation
  - d) Functions

### **SHORT ESSAY**

**3 X 5 = 15 Marks**

2. Classify lipids giving an example for each class.
3. Write coenzyme form, one function and one deficiency disorder of the following vitamins:  
(a) Thiamine (b) Niacin (c) Ascorbic acid (d) Folic acid (e) Riboflavin
4. Describe digestion & absorption of proteins in GIT.

### **SHORT ANSWERS**

**5 X 2 = 10 Marks**

5. Write a note on absorption of calcium from GIT.
6. Define transamination. Give an example.
7. What is BMR? Write two factors affecting BMR.
8. Give the range for normal blood pH. List out two conditions leading to respiratory acidosis.
9. What is ketoacidosis? Name two conditions leading to it.

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