

# Rajiv Gandhi University of Health Sciences, Karnataka

## I B.D.S Degree Examination - Dec-2014

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 Chemistry, sources, requirement, metabolic functions and deficiency manifestations of Vitamin A.

#### SHORT ESSAYS

**3 x 5 = 15 Marks**

2. Explain Digestion and Absorption of Lipids.
3. Describe the hormonal regulation of blood glucose.
4. Explain the structure of Deoxyribo Nucleic Acid (DNA) with a labeled diagram.

#### SHORT ANSWERS

**5 x 2 = 10 Marks**

5. What are Isoenzymes? Give two examples.
6. Essential Fatty Acids
7. Glycogen
8. Lactose Intolerance
9. a) Name a Vitamin, which act as Antioxidant.  
b) Name a Vitamin, which act as Steroid Hormone.

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