

Rajiv Gandhi University of Health Sciences

I B.D.S Degree Examination – Jun 2013

Time: 3 Hrs.

[Max. Marks : 40]

BIOCHEMISTRY

QP Code: 1153

(Note : Both QP Codes 1152 and 1153 are to be answered within total duration of 3 hours)

LONG ESSAY

1 X 10 = 10 Marks

1. Describe the chemistry, functions and deficiency manifestations of vitamin C

SHORT ESSAY

3 X 5 = 15 Marks

2. Classify carbohydrates with examples
3. Describe glycogen breakdown
4. Describe the factors influencing the activity of an enzyme in detail

SHORT ANSWERS

5 X 3 = 15 Marks

5. Respiratory acidosis
6. Explain vanden Bergh's reaction
7. Explain specific dynamic action of food
8. Name the ketone bodies. Name two conditions in which ketonuria is seen.
9. Name the enzymes deficient in the following
 - a) Phenylketonuria
 - b) Alkaptonuria
 - c) Albinism

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