DG-3147

B. Sc. (Sem. V) Examination
March/April – 2016
Bioscience - 503
(Metabolism)

Time : 2 Hours]                     [Total Marks : 50

Instructions :

(1) Fill up strictly the details of ¬ signs on your answer book.

Seat No.:

Name of the Examination:
B. Sc. (Sem. V)

Name of the Subject:
Bioscience - 503 (Metabolism)

Subject Code No.: 3 1 4 7
Section No. (1, 2,.....), Nil

Student's Signature

(2) Draw neat and labelled diagram wherever necessary.

(3) Figures to the right indicate full marks of the question.

Q. 1 Answer as directed.

1. Enlist the name of enzymes of glycolysis.
2. Define: Catabolism, Anabolism.
3. Give the difference between EMP &HMP.
4. What is decarboxylation?
5. Explain: Intermediate metabolites
6. Why TCA cycle is called amphibolic in nature?

Q. 2 Write an essay on β- oxidation.

OR

Q. 2 Write an essay on Citric acid cycle

12

14

14

[Contd...]
Q. 3 Answer any two of the followings.
1. Write a note on transamination.
2. Describe: Urea cycle.
3. Describe in detail stage-II glycolysis.

Q. 4 Write short notes: (any two)
1. Importance of HMP Shunt.
2. Oxidative deamination
3. Transport of Ammonia.