

Roll No.

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Total No. of Pages : 02

Total No. of Questions : 09

B.Sc.(BT) (2014 to 2017) (Sem.-3)

BIOCHEMISTRY-II

Subject Code : BSBT-209

M.Code : 47040

Time : 3 Hrs.

Max. Marks : 60

INSTRUCTIONS TO CANDIDATES :

1. SECTION-A is COMPULSORY consisting of TEN questions carrying TWO marks each.
2. SECTION-B contains FIVE questions carrying FIVE marks each and students have to attempt any FOUR questions.
3. SECTION-C contains THREE questions carrying TEN marks each and students have to attempt any TWO questions.

SECTION-A**1. Define :**

- a) Isozymes
- b) Extremozymes
- c) Energy rich metabolites
- d) Ketogenesis
- e) Active site
- f) Fatty acids
- g) Biogenic amines
- h) Bile pigments
- i) Porphyrins
- j) Heme

SECTION-B

2. What are the factors affecting enzyme activity?
3. Write a note on Allosteric enzymes.
4. What is Electron Transport Chain? Discuss its significance.
5. List regulatory steps of Krebs cycle.
6. Write a note on assimilation of atmospheric nitrogen.

SECTION-C

7. Discuss the pathway of cholesterol biosynthesis.
8. Write about steps in Glycolysis and its regulation.
9. Elaborate on the mechanism of regulation of ATP synthesis.

NOTE : Disclosure of Identity by writing Mobile No. or Making of passing request on any page of Answer Sheet will lead to UMC against the Student.