

Total No. of Pages : 02

B.Sc.(BT) (2013 to 2017) (Sem.-3)

Subject Code : BSBT-209

Paper ID : [F0240]

Max. Marks : 60

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

Q.1. Define :

- i) Isozymes
- ii) Immobilized enzymes
- iii) Feedback inhibition
- iv) Ketone Bodies
- v) Oxidoreductases
- vi) Nitrogen cycle
- vii) Biogenic amines
- viii) Extremoenzymes
- ix) Poly unsaturated fatty acids
- x) Triacylglycerols

SECTION-B

- Q.2. What are the factors that affect enzyme activity?
- Q.3. How covalent modification regulates enzyme activity? Discuss.
- Q.4. Write a note on Amphibolic nature of Krebs's cycle.
- Q.5. List steps of regulation of ATP Synthesis.
- Q.6. Write a note on Biogenic amines.

SECTION-C

- Q.7. Discuss regulation of Carbohydrate Metabolism.
- Q.8. Write about Oxidative Phosphorylation and its regulation.
- Q.9. Elaborate on the mechanism of Cholesterol Biosynthesis.