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Total No. of Pages : 02

Total No. of Questions : 09

B.Sc.Agriculture (2014 & Onwards) (Sem.-1)**BIOCHEMISTRY****Subject Code : BSAG-103****Paper ID : [A3292]****Time : 3 Hrs.****Max. Marks : 60****INSTRUCTION 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**Q.1 Define :**

- i) Vitamins.
- ii) Apoenzyme.
- iii) Polysaccharides.
- iv) Immobilized enzymes.
- v) Ligases.
- vi) Purines.
- vii) Glycolysis.
- viii) Secondary Metabolites.
- ix) Fibrous proteins.
- x) Reducing sugars.

SECTION-B

- Q.2 Discuss the rate limiting steps of Glycolysis.
- Q.3 Discuss important features of plant cell.
- Q.4 Write a note on the structure and functions of Amino Acids.
- Q.5 Write a note on Biodiesel.
- Q.6 Write a note on Hormone Action.

SECTION-C

- Q.7 Explain the mechanism of Oxidative Phosphorylation.
- Q.8 Elaborate on factors affecting Enzyme activity.
- Q.9 Discuss the steps involved in Fatty acid oxidation.