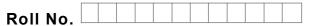
www.FirstRanker.com

www.FirstRanker.com



Total No. of Pages : 02

Total No. of Questions : 09

FirstRanker.com

B.Sc.Agriculture (2014 & Onwards) (Sem.-1) BIOCHEMISTRY Subject Code : BSAG-103 M.Code: 72210

Time: 3 Hrs.

Max. Marks: 60

INSTRUCTIONS TO CANDIDATES :

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

SECTION-A

- 1. **Define :**
 - a. Anomers
- er.com b. Unsaturated fatty acids with an example
 - c. Apoenzymes and Holoenzymes
 - d. Nucleosides and Nucleotides
 - e. Phosphorylation Potential
 - f. Peptide bond
 - g. Non-reducing sugar with an example
 - h. Hormones
 - Optical activity i.
 - j. Gluconeogenesis

1 M - 72210



www.FirstRanker.com

SECTION-B

- 2. Define Proteins. What are the different levels of structural organizations adopted by proteins?
- 3. Write a short note on terpenoids and their applications.
- 4. a) Name and draw the structures of 3 aromatic amino acids.
 - b) Classify different water soluble vitamins and their importance
- 5. Write a short note on Oxidative phosphorylation.
- 6. Discuss Biosynthesis of pyrimidine nucleiotides in cell.

SECTION-C

- 7. Describe TCA cycle in details.
- 8. Define Ketone bodies and describe the process of fatty acid oxidation in details.
- 9. Describe Enzyme classification and enzyme immobilization.

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.