Roll No.													Total No. of Pages: 02
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Total No. of Questions: 09

B.Sc. (Agriculture) (2014 & Onwards) (Sem. – 2) ELEMENTARY MICROBIOLOGY

M Code: 72356 Subject Code: BSAG-201 Paper ID: [72356]

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 or briefly describe the following:
 - a) 70 S Ribosomes
 - b) Protozoa
 - c) Plasmids
 - d) Prion
 - e) Composting
 - f) Rhizobacteria
 - g) Nitrogen Cycle
 - h) Bacteriophage
 - i) Chemoautotroph
 - j) Fermentation

SECTION B

- 2. Discuss the scope and role of Microbiology.
- 3. Explain the significance of plant microbial interactions giving examples.
- 4. What are prokaryotes? Discuss their structure.

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- 5. Define growth. Explain four phases of growth curve.
- 6. Write brief note on Actinomycetes.

SECTION C

- 7. Give detailed account of bio fertilizers.
- 8. Explain process of cultivation of mushrooms.
- 9. Explain briefly the major processes involved in ATP generation in bacteria.

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