

Roll No.

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Total No. of Pages: 02

Total No. of Questions: 09

B.Sc.(Agriculture) (2014 & Onwards) (Sem. – 4)

MANURES AND FERTILIZERS

M Code: 72759

Subject Code: BSAG-407

Paper ID: [72759]

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. Write short notes on the following:
 - a) Concentrated organic manures
 - b) Secondary plant nutrient
 - c) Trace elements
 - d) Basic slag
 - e) Muriate of potash
 - f) Incomplete complex fertilizers
 - g) Macronutrients
 - h) Bone meal manure
 - i) Vermicompost
 - j) Farm yard manure

SECTION B

2. Describe the role amendments in maintaining soil health.
3. Write specifications of SSP, DSP and TSP fertilizers according to fertilizer control order.
4. Discuss residual effect of ammonium sulphate and CAN fertilizers in soil.
5. Explain effect of adulterated fertilizers on plant growth.
6. Explain advantages and disadvantages of compound fertilizers.

SECTION C

7. Describe role of bio-fertilizers in maintaining soil physical, chemical and biological properties.
8. Classify phosphatic fertilizers on the basis of their solubility.
9. Explain how biogas plant slurry is effectively used for different crops.