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Total No. of Questions: 09

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

MANURES AND FERTILIZERS

Subject Code: BSAG-407 Paper ID: [72759]

Max. Marks: 60 Time: 3 Hrs.

INSTRUCTIONS TO CANDIDATES:

- SECTION-A is COMPULSORY consisting of TEN questions carrying TWO marks 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 have to attempt any TWO questions.

SECTION-A

Q1. Define the followings:

- a) Poultry manure.
- b) Rock phosphate.
- www.FirstRanker.com c) Ammonium poly phosphate.
- d) Non-edible cake.
- e) Sewage sludge.
- f) Night soil.
- g) Consortium.
- h) Azolla.
- i) Nano fertilizer.
- j) Balanced fertilization.



SECTION-B

- Q2. Write down the procedure for preparation of farm yard manure.
- Q3. Define vermin-composting. How vermin-compost is prepared? Write down advantages and disadvantages of vermi-compost crops.
- Q4. What is synthetic fertilizer? How can they be harmful to human beings?
- Q5. Define amide fertilizers. Write down the commercially available amide fertilizers alongwith their formulas and composition.
- Q6. Write down the harmful effects and safety measures to be followed by the farmers while fertilizer handling.

SECTION-C

- Q7. a) How is Single Super Phosphate manufactured in India?
 - b) How is Calcium Ammonium Nitrate manufactured?
- Q8. Write down the classification and general characteristics of phosphatic fertilizers.
- Q9. a) Discuss different methods of liquid fertilizer application to the soil.
 - b) Discuss fate and reactions of nitrogenous fertilizers in soil.

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