

AS-2051
MANURES AND FERTILIZERS-XI
SEM (IV) (MAY-19)

M:M:44

TIME: 3 HOURS

NOTE : The Candidates are required to attempt two question each from Section A and B carrying 7 marks each and the entire Section C consisting of 8 short answer type questions carrying 2 marks .

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SET-B

SECTION-A

1. What do you mean by mineral constituents of soil? Discuss about sources and functions of macro-nutrients.
2. Write an essay on Mechanism of absorption and Deficiency symptoms in plants.
3. Discuss the importance and scope of organic farming.
4. Explain the following:-
 - a) Green manuring
 - b) Vermicompost

SECTION-B

5. Define chemical fertilisers. What are nitrogenous fertilisers? Write its classifications and properties.
6. Write mechanism of nutrient transport to plants. Also give factors effecting nutrient availability to plants.
7. Write notes on:-
 - a) Chemistry of soil nitrogen
 - b) Forms of nutrients in soil
8. Write a note on factors influencing nutrient use efficiency.

SECTION-C

9. Write short note on following:-
 - a) Farm-yard manures
 - b) Fertiliser storage
 - c) Nano-fertilisers
 - d) Fertiliser control order
 - e) Bio-fertilisers
 - f) Classify phosphatic fertilisers
 - g) Enlist methods of applying fertilisers to soil
 - h) Bulky organic manures