

22485

24225

3 Hours / 70 Marks

Seat No.

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- Instructions :**
- (1) All Questions are *compulsory*.
 - (2) Figures to the right indicate full marks.
 - (3) Assume suitable data, if necessary.

Marks

1. Attempt any FIVE of the following :

10

- (a) List sources of Farm Yard Manure.
- (b) Define the Vermicomposting.
- (c) Name two Organic fertilizers and Inorganic fertilizers.
- (d) Enlist different types of bio-fertilizers.
- (e) Write any two disadvantages of agrochemicals.
- (f) Name any four commonly used insecticides.
- (g) State the uses of fungicides.

2. Attempt any THREE of the following :

12

- (a) Define Fard Yard Manure and give classification Fard Yard Manure.
- (b) Define green manuring. State the types of green manuring.
- (c) Describe the method of Vermicomposting.
- (d) Write the effect of sewage and sludge on plant growth.



- 3. Attempt any THREE of the following : 12**
- (a) List the safety measures undertaken during handling and storage of fertilizers.
 - (b) Compare Organic & Inorganic fertilizers.
 - (c) Explain the role of agrochemical in agriculture.
 - (d) Describe the classification of insecticides.
- 4. Attempt any THREE of the following : 12**
- (a) Describe the technique of green manuring.
 - (b) Define Oil cake. Give two examples of oil cake with NPK content.
 - (c) Describe the handling and storage of agrochemicals.
 - (d) State different methods of fertilizer applications. Explain any one method in detail.
- 5. Attempt any TWO of the following : 12**
- (a) Explain method of preparation of Farm Yard Manure.
 - (b) Explain the importance of Micro Nutrients in Crop Production with example.
 - (c) Define herbicides. Give detailed classification of herbicides.
- 6. Attempt any TWO of the following : 12**
- (a) Define Fertilizer. Explain detailed classification of fertilizer.
 - (b) Explain the properties of Herbicides and state its uses.
 - (c) Describe the soil conditions conducive for deficiency of secondary nutrients.
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