

22485

23124

3 Hours / 70 Marks

Seat No.

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- Instructions :**
- (1) All Questions are *compulsory*.
 - (2) Answer each next main Question on a new page.
 - (3) Illustrate your answers with neat sketches wherever necessary.
 - (4) Figures to the right indicate full marks.

Marks

1. Attempt any FIVE :

10

- (a) Give the list of leguminous crops used as green manure crops.
- (b) Define the Vermicomposting.
- (c) Name two Organic fertilizers and Inorganic fertilizers.
- (d) State different types of biofertilizers.
- (e) State any two disadvantages of agrochemicals.
- (f) Name any four commonly used herbicides.
- (g) State uses of fungicides.

2. Attempt any THREE :

12

- (a) State advantage and disadvantage of green manuring.
- (b) Define Fard Yard Manure and give classification Fard Yard Manure.
- (c) Explain the use of Oil cakes in agriculture.
- (d) Describe the effect of sewage and sludge on plant growth.



- 3. Attempt any THREE :** **12**
- (a) Give advantage and disadvantage of mixed fertilizers.
 - (b) List the safety measures undertaken during handling and storage of fertilizers.
 - (c) Explain any four types of agrochemicals.
 - (d) Give classification of insecticides.
- 4. Attempt any THREE :** **12**
- (a) Describe the technique of green manuring.
 - (b) Briefly describe the method of Vermicomposting.
 - (c) Give disadvantages of Fertilizers.
 - (d) State different methods of fertilizer applications. Explain any one method in detail.
 - (e) Explain the role of agrochemical in agriculture.
- 5. Attempt any TWO :** **12**
- (a) Describe in detail effect of Farm Yard Manure on soil and plant growth.
 - (b) Define Fertilizer. Give detailed classification of fertilizer.
 - (c) Describe the soil conditions conducive for deficiency of secondary nutrients.
- 6. Attempt any TWO :** **12**
- (a) Describe the role of Micro Nutrients in crop production.
 - (b) Define Fungicides. Explain classification of fungicides.
 - (c) Explain the properties of Herbicides and state its uses.
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