

22485

22232

3 Hours / 70 Marks

Seat No.

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- Instructions :**
- (1) All Questions are *compulsory*.
 - (2) Illustrate your answers with neat sketches wherever necessary.
 - (3) Assume suitable data, if necessary.
 - (4) Mobile Phone, Pager and any other Electronic Communication devices are not permissible in Examination Hall.

Marks

1. Attempt any FIVE of the following :

10

- (a) Enlist different sources of manures.
- (b) Define oil cakes.
- (c) Define micronutrients.
- (d) Define biofertilizer.
- (e) Give any two demerits of agrochemicals.
- (f) Define herbicides with example.
- (g) Give importance of insecticides.

2. Attempt any THREE of the following :

12

- (a) Explain different methods of green manuring.
- (b) Explain effect of FYM on soil and plant growth.
- (c) Define sludge along with its classification.
- (d) Explain procedure for preparing vermicompost.

- 3. Attempt any THREE of the following : 12**
- (a) Give advantage and disadvantage of mixed fertilizers.
 - (b) Explain different types of biofertilizers.
 - (c) Explain any four types of agrochemicals.
 - (d) Explain handling and storage of agrochemicals.
- 4. Attempt any THREE of the following : 12**
- (a) Give important characteristics of FYM. Enlist method for preparation of FYM.
 - (b) Explain effect of sludge on soil and plant growth.
 - (c) Explain properties and reaction of primary nutrients fertilizers.
 - (d) Explain briefly different types of mixed fertilizers.
 - (e) Explain the role of agrochemical in agriculture.
- 5. Attempt any TWO of the following : 12**
- (a) Give advantage and disadvantage of green manuring.
 - (b) Explain primary nutrient fertilizers. Give its classification.
 - (c) Differentiate between primary and secondary nutrients.
- 6. Attempt any TWO of the following : 12**
- (a) Define primary nutrients and its effect on crop growth.
 - (b) Give classification of fungicides along with its usage.
 - (c) Give classification of herbicides along with its usage.
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