

GOVERNMENT OF PUDUCHERRY
DEPARTMENTAL TEST IN AGRICULTURE

Held on
14.2.2021

Duration: 2 hrs.

Maximum Marks:100
Minimum Marks : 40

1. Question I and II in Part A are compulsory.
2. Also answer any four out of the remaining questions in Part B.
3. Authority should be quoted wherever necessary and quoting more reference to the authority alone will not be treated as answer.
4. Wrong numbering of questions and illegible handwriting are liable to deduction of marks.

PART- A (COMPULSORY)

- I. Write about the quality indices for classification of irrigation water. Discuss about the management of poor quality irrigation water with the technological options available.

- 20 marks

- II. Write short notes on any five of the following:

1. Cation Exchange capacity of the soil.
2. Bio-fertilisers for cereals and pulses.
3. Define GAP.
4. Components of GIS.
5. Saline sodic soil.
6. Growth regulators.
7. Organic certification.
8. Rotavator.
9. eNAM.
10. VAM.

- 20 marks

PART-B (OPTIONAL)

(Answer any four questions only. All the questions carry 15 marks each)

- III. Define INM. Write in detail the need for INM in the present day Agriculture and suggest suitable INM practices for Rice.
- IV. Briefly explain any three of the following
- a. STCR fertiliser recommendation.
 - b. Fertiliser Control Order.
 - c. Sustainable Sugarcane Initiative.
 - d. Farm produce, purchase and disposal register.
 - e. Climate resilient agriculture

(P.T.O.)

- V. How would you double the farmers income? List out all possible options available for doubling farmer's income. Suggest models for achieving the goal of doubling farmers income in the coastal eco-system.
- VI. Define Breeder Seed, Foundation Seed and Certified seed. Narrate the process involved in production of Certified and Foundation Seed.
- VII. Discuss in detail the various farm machineries used in sustainable farming. Explain its advantages in the present scenario along with benefit cost.
- VIII. Describe the Integrated Pest Management Techniques that are recommended for Banana cultivation.
- IX. Write briefly about:
- a. List of records maintained in farm.
 - b. Pollution hazards due to pesticides.
 - c. Role of earth worm in soil fertility.
 - d. Carbon Credit.
 - e. Crop Planning to mitigate climate change.
- X. Explain the role of Integrated Farming System (IFS) in Organic Farming. Discuss in detail the various enterprises of IFS model and its advantages.
