

No. of Printed Pages : 5

5991 (E)



Register Number

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Part III — Vocational Subjects

AGRICULTURAL SCIENCE

(English Version)

Time Allowed : 3.00 Hours]

[Maximum Marks : 90

- Instructions :** (1) Check the question paper for fairness of printing. If there is any lack of fairness, inform the Hall Supervisor immediately.
- (2) Use **Blue** or **Black** ink to write and underline and pencil to draw diagrams.

PART - I

Note : (i) Answer **all** the questions.

15x1=15

(ii) Choose the correct answer from the given **four** alternatives and write the answer with symbol.

1. These kinds of seeds can be seeded on elevated bed or pitted plate nursery.

- (a) Sunflower (b) Groundnut (c) Tomato (d) Millet

2. The crop which has more phosphoric acid than other crops is :

- (a) Bean (b) Toor (c) Soya bean (d) Black gram

3. The medicinal crop that is used for mutation in crop development research is :

- (a) kanvali tuber (b) aloe (c) vallaarai (d) nila vembu

[Turn over

12. Economic growth can be obtained only if the agriculture produce is _____.
(a) Marketed (b) Cleaned (c) Preserved (d) Sorted
13. The disease which attacks the nervous system of goat :
(a) Thullu Maari (b) Ammai Noi (c) Vekkaisarbu (d) Komari
14. Infectious diseases in farm animals generally spread through :
(a) wind (b) faeces (c) water (d) all of these
15. The data base maintained by the United Nations Organisation is :
(a) AGMARKNET (b) FAOSTAT (c) OGD (d) NICNET

PART - II

Note : Answer **any ten** questions. Question No. **28** is **Compulsory**. **10x3=30**

16. Explain SWOT.
17. What are the important species in cotton cultivation ?
18. Write the methods of preparation of soil and pruning in the cultivation of jasmine.
19. Write a short note on organic manure and chemical fertilisers.
20. What is residual poison ?
21. Why are 2 varieties, male and female grown in the cultivation of high yielding hybrid variety of lady's-finger ?
22. What are the goals and methods of prosperous agriculture ?

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- 23.** What is modern agriculture ?
- 24.** What are the functions of worker bees ?
- 25.** Write about shelf life of flowers.
- 26.** Write a note on BIS.
- 27.** Explain in detail the precautionary measures for diseases in farm animals.
- 28.** Write a note on pisciculture culture and mushroom culture.

PART - III

Note : Answer **any five** questions. Question No. **35** is **Compulsory**.

5x5=25

- 29.** Write a note on the merits and demerits of dense transplantation.
- 30.** Write a note on fertiliser management in groundnut cultivation.
- 31.** Write on the methods of removal of residual poison.
- 32.** What are the advantages of co-operative farms ?
- 33.** Tabulate the objectives of crop multiplication.
- 34.** What are the advantages and disadvantages of preservation ?
- 35.** What are the usual disease indications in fish ?

PART - IV

Note : Answer the following questions in about **2** pages each.

2x10=20

36. (a) Write about the methods of cultivation of kanvali tuber.

OR

(b) Explain about the production of moringa variety seed.

37. (a) What are the oil seed crops ? Write a note on the production of any one oil seed crop.

OR

(b) Detail the different methods of preserving foods for a long time.

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