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No. of Printed Pages : **5**

6091 (E)

Register Number

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. Ancient day agricultural methods :

(a) Crop rotation agriculture (b) Determined agriculture

(c) Garden agriculture (d) All of these

2. District Intensive Agriculture Plan was introduced in the year :

(a) 1960 - 61 (b) 1950 - 51 (c) 1965 - 66 (d) 1955 - 56

3. The day having the longest day time :

(a) May 21 (b) March 21 (c) June 21 (d) April 21

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4. Find the incorrect pair.

(a) Period of North-East monsoon winds - 57%

(b) Period of South-West monsoon winds - 22%

(c) Period of Cyclonic winds - 21%

(d) Period of North-West monsoon winds - 30%

5. The quality of the soil depends on :

(a) chemical quality (b) biological quality

(c) physical quality (d) all of the above

6. Which is the short-term crop ?

(a) Sunflower (b) Paddy (c) Millet (d) Maize

7. _____ farming is the process of complete mixing of the surface soil along with perishable and plant waste.

(a) Bar (b) Minimal

(c) Non-ploughing (d) Mulching

8. The deep soil farmer's plough which is bent in the form of a 'C' is :

(a) chisel plough (b) pot plough (c) iron plough (d) turn plough

9. _____ is seen when the environment is not friendly for the germination of non-dormant seeds.

(a) Third stage dormancy (b) First stage dormancy

(c) Fourth stage dormancy (d) Second stage dormancy

10. The force that induces the bonding between water molecules is :

(a) gravitational force (b) adhesive capacity force

(c) surface tension force (d) combining force

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11. One of the rare elements is :

(a) Barium (b) Magnesium (c) Selenium (d) Calcium

12. _____ is an egg parasite.

(a) Thattaan (b) Trichochrimma

(c) Pori vandu (d) Praganid

13. Phytoplasma belongs to which kind ?

(a) fungal nature

(b) structure of bacteria, property of poisonous organism

(c) structure of virus

(d) none of these

14. The Indian breed of hen is :

(a) Aseel (b) Brahma (c) Wencob (d) White leghorn

15. India occupies the _____ place in the world in the fishing industry.

(a) 3 (b) 1 (c) 4 (d) 2

PART - II

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

16. What is meant by 'White Revolution' ?

17. How does temperature affect growth of crops ?

18. What is meant by fertility of soil ?

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19. What is the importance of millets ?

20. What is meant by continuous cultivation ?

21. Write about chisel plough.

22. List out the important irrigation projects in Tamil Nadu.

23. Write a note on macro nutrients.

24. How can you control weeds mechanically ?

25. What are the factors that affect storage ?

26. How can you classify farmers ?

27. What are the qualities of goat ?

28. Write what you know about methods of selection of seeds.

PART - III

Note : Answer **any five** questions. Question No. **35** is **Compulsory**. **5x5=25**

29. Explain the types of weather forecast.

30. Write a note on :

(i) Land breeze

(ii) Water holding capacity

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31. Explain in detail the classification of spice crops.

32. Write a short note on micro-organic fertilisers.

33. Write any five ways by which weeds spread.

34. How is growth of ornamental fish undertaken ?

35. Write a note on common brown sheep.

PART - IV

Note : Answer the following questions in about **2** pages each. **2x10=20**

36. (a) Explain the post-independence agricultural development programmes.

OR

(b) Explain in detail crop cultivation programme.

37. (a) What are the methods to overcome drought ?

OR

(b) Write about the economic importance of fish.

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