



Date: 03-11-2018
Time: 09:00-12:00

Dept. No.

Max. : 100 Marks

PART A

Answer the following, each within 50 words:

(10 x 2 =20 marks)

1. Write notes on any four short duration varieties with examples.
2. How are alkali soils reclaimed?
3. Mention any four modern agricultural tools and their importance.
4. Distinguish between kharif and zaid crops.
5. Mention the importance of *Azolla* in paddy cultivation.
6. What is set?
7. What is transplantation?
8. Comment on intercultivation.
9. Differentiate biopesticide from pesticide.
10. What is IPM?

PART B

Answer the following, each within 500 words. Draw diagrams and flowcharts wherever necessary.

(5 x 7 = 35 marks)

11a. Explain the impact of climatic change in Agriculture production.

or

b. Briefly explain the types of cropping pattern in Agriculture.

12a. Enumerate the importance of NPK based fertilizers.

or

b. Mention the physical, chemical and biological properties of alluvial and black soil.

13a. Explain the various measures adopted to reduce loss of water during irrigation.

or

b. Give a brief note on the different methods of drainage.

14a. Explain the agronomic practice followed in sugarcane cultivation.

or

b. Mention the diseases of groundnut. Add a note on their control measures.

15a. Mention the characteristic features of weed.

or

b. Write notes on chemical and biological methods to control insect pest.

PART C

Answer any three of the following, each within 1200 words. Draw diagrams and flowcharts wherever necessary. *(3 x15 = 45 marks)*

16. What is Green Revolution? Elaborate on its merits and demerits in Agricultural production.

17. Write an essay on organic farming.

18. Explain the types of sowing and irrigation followed in agriculture.

19. Explain the agronomic practices followed in paddy cultivation.

20. Give a detailed account on cultural, biological and chemical methods to control weeds.
