

Agriculture Test - 1

Instructions:

Time: 2.5 hrs

1. All questions are compulsory.
2. Section A : 150 Words ; 10 Marks
3. Section B : 150 Words ; 10 Marks
4. Section C : 200 Words; 10 Marks
5. Section D: 250 Words ; 20 + 15 + 15 Marks

Section A

1. Discuss the climatic parameters in relation to agro-ecosystem. What are the major threats to agro-ecosystem ?
2. What is remote sensing? How can we use it in agriculture ?
3. What are the advantages of integrated farming system? Discuss about resource recycling in different integrated farming systems in India.
4. Discuss briefly the challenges in agricultural marketing system. State the advantages of supply chain management.
5. Why is evaluation an essential part of any extension programme. State its advantages in brief.

Section B

Differentiate and elaborate the following:

1. Photoperiodism and Thermoperiodism

2. Gravitational water and Hydroscopic water
3. Relative and Obnoxious weeds
4. Inorganic fertilizers and Bio-fertilizers
5. Group discussion and Buzz session

Section C

1. Discuss the factors affecting crop-weed competition. What do you mean by critical period of crop-weed competition?
2. Enumerate the factors influencing soil erosion. Classify and discuss briefly various types of erosion.
3. What are the scientific irrigation scheduling criteria? What is critical stage approach for scheduling irrigation ?
4. What are the uses of farm planning and budgeting? Discuss the steps to be followed in farm planning and budgeting.
5. Suggest measures which can help to meet major challenges in agriculture and food security for stabilizing crop yields.

Section D

1. What are the impacts of climatic change in agriculture? How can the impacts be mitigated in crop environment?
2. Write about the factors of development of herbicide resistance in weeds. What are the management options?

3. What are the causes of soil degradation and pollution? What measures may be adopted to control soil pollution?