

AGRO-235

Section A

1. Write in brief about agronomic measures for soil and water conservation in rainfed agriculture.

2. Define drought give the classification of drought. Explain agricultural drought. OR

What is drought? Give in detail classification of drought and explain the classification sources of water availability.

3. Define watershed. Enlist different principles of watershed management.

4. Define the term anti transparent. Describe different types of anti-transpirants.

5. Explain in brief the crop adaptation to drought.

6. Define the term water harvesting? Describe in short the techniques of water harvesting. OR

Define water harvesting and explain in detail different methods of water harvesting.

7. What is contingency planning? Suggest contingency crop planning under delayed monsoon.

8. What do you mean by rainfed agriculture? Explain dryland farming and rainfed farming. OR

What is rainfed agriculture? Differentiate between dryland

framing and rainfed farming.

9. Explain climatic conditions prevailing in rainfed areas.
10. Explain various strategies to mitigate the draught in rainfed agriculture.
11. Explain various techniques of soil and water conservation in rainfed farming.
12. Explain various problems associated with crop production and rainfed farming.
13. Write in brief the history of rainfed agriculture.
14. What do you mean by 'Crop adaptation'? Write in short about various mechanical plant for conserving water under drought conditions.
15. Define watershed management. Write in short concept and state different principles of watershed management.
16. Write short notes on:
 - 1) Stubble Mulch
 - 2) Problems of rainfed agriculture in India.
 - 3) Factors affecting watershed management
 - 4) South-West Monsoon
 - 5) Contingent crop planning.

Section B

Que.1) Define the following terms.

1. Dry farming
2. Mulch
3. Cropping pattern
4. Strip cropping
5. Meteorological drought
6. Alternate land use systems
7. Crop geometry
8. Terracing.

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Que. 2) Fill in the blanks:

1. The dry land research station in Maharashtra is located at _____.
2. The average annual rainfall of India is_____.
3. The plants which complete their life cycle within a short period are called_____.
4. _____is an area from which rainfall is collected and drains through a common point.
5. International Crops Research Institute for Semi-Arid Tropics (ICRISAT) is located at_____.
6. In India, bulk of rainfall is received from_____.
7. _____grass is widely recommended as vegetative barrier in watershed.
8. _____framing is also known as water harvesting.