

**MAHARASHTRA AGRICULTURAL UNIVERSITIES EXAMINATION BOARD, PUNE
SEMESTER END EXAMINATION**

B.Sc. (Hons.) Agriculture

Semester : III (New)	Term : I	Academic Year : 2018-19
Course No. : AGRO 235	Title : Rainfed Agriculture and Watershed Management	
Credits : 2 (1+1)		
Day & Date : Tuesday, 13.11.2018	Time : 9.00 to 11.00	Total Marks : 40

- Note :**
1. Solve **ANY EIGHT** questions from **SECTION "A"**.
 2. All questions from **SECTION "B"** are compulsory.
 3. All questions carry equal marks.
 4. Draw neat diagrams wherever necessary.

SECTION "A"

- Q.1 Write in brief about agronomic measures for soil and water conservation in rainfed agriculture.
- Q.2 Define drought. Give the classification of drought. Explain agricultural drought.
- Q.3 Define watershed. Enlist different principles of watershed management.
- Q.4 Define the term antitranspirant. Describe different types of antitranspirants.
- Q.5 Explain in brief the crop adaptation to drought.
- Q.6 Define the term water harvesting. Describe in short the techniques of water harvesting.
- Q.7 What is contingency planning? Suggest contingency crop plan under delayed monsoon.
- Q.8 What do you mean by rainfed agriculture? Explain dryland farming and rainfed farming.
- Q.9 Explain climatic conditions prevalent in rainfed areas.
- Q.10 Write short notes (Any Two).
 - a) Stubble mulch
 - b) Problems of rainfed agriculture in India
 - c) Factors affecting watershed management

SECTION "B"

- Q.11 Define the following terms.
 - 1) Meteorological drought
 - 2) Alternate land use systems
 - 3) Crop geometry
 - 4) Terracing
- Q.12 Fill in the blanks.
 - 1) International Crops Research Institute for Semi-Arid Tropics (ICRISAT) is located at _____.
 - 2) In India, bulk of rainfall is received from _____ monsoon.
 - 3) _____ grass is widely recommended as vegetative barrier in watershed.
 - 4) _____ farming is also known as water harvesting.

