MAHARASHTRA AGRICULTURAL UNIVERSITIES EXAMINATION BOARD, PUNE SEMESTER END THEORY EXAMINATION

B.Sc.(Hons.) Agriculture

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Seme	Telli : First Academic year : 2022-25
Credi	se No. : AGRO 235 Title : Rainfed Agriculture and Watershed
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Duj	Time . 05.00 to 11.00 ms. 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 diagram wherever necessary.
SECTION 'A'	
Q.1	What is drought? Give classification of drought and explain the classification based on
	time of occurrence.
Q.2	Enlist the soil and water conservation measures and write in detail agronomical measures
•	in rainfed farming areas.
Q.3_	Explain various problems associated with crop production in rainfed farming.
Q.4	Write in brief soil and climatic conditions prevalent in rainfed areas.
Q.5	What is contingency cropping? Explain the crop management options to mitigate the adverse effect of aberrant weather situation.
Q.6	Define water harvesting and explain the different methods and techniques of water harvesting.
Q.7	What do you mean by 'Crop adaptation'? Write in short about various mechanisms in plants for conserving water under drought conditions.
Q.8	Define watershed management. Write in short its concept and state different principles of watershed management.
Q.9	Explain in detail management of crops in rainfed farming.
Q.10	Write short notes (Any Two):
	a) Factors affecting watershed management b) Rainfall pattern in rainfed areas
	c) Mulching
	SECTION 'B'
Q.11	Define the following terms:
Q.11	1) Rainfed agriculture 2) Biological bunding
	3) Cropping system 4) Soil erosion
Q.12	Fill in the blanks:
	The Dry Land Research Station in Maharashtra is located at
	2) The normal ratio between the erosion resisting crops and erosion permitting crops is
	The line joining two points at equal elevation is called as
	4) is an area from which rainfall water is collected and drained through a
	common point.