

Roll No.

Total No. of Pages : 02

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B.Sc. - Honours (Agriculture) (Sem-6)
RAINFED AGRICULTURE & WATERSHED MANAGEMENT

Subject Code : BSAG601-19

M.Code : 91792

Date of Examination : 12-06-2023

Time : 3 Hrs.

Max. Marks : 60

INSTRUCTIONS TO CANDIDATES :

1. SECTION-A is COMPULSORY consisting of TEN questions carrying TWO marks each.
2. SECTION-B contains FIVE questions carrying FIVE marks each and students have to attempt any FOUR questions.
3. SECTION-C contains THREE questions carrying TEN marks each and students have to attempt any TWO questions.

SECTION-A

1. Write briefly :

- a) Pora method
- b) Band placement
- c) Erodibility
- d) Dry farming
- e) Rained agriculture
- f) Contour
- g) Run-off
- h) Contingency cropping
- i) Anti-transpirant
- j) Wind breaks.

SECTION-B

2. What is ex-situ management land and water conservation practices?
3. a) Why is rainfall so important for crop production?
b) Enlist 4-5 main characteristics of crops for their better adaptability under dryland and rainfed conditions.
4. a) Name two national and two international institutes along with location related to rainfed/dryland agriculture.
b) What is the role of Kanitkar and Tamhane in dryland farming?
5. a) Do you agree that 'Aridity' and 'Drought' are synonymous? Give justification.
b) Which stage of crop growth is most sensitive to moisture stress and how?
6. Effect of moisture stress on respiration.

SECTION-C

7. Enlist the steps required to increase the runoff of water in catchment area.
8. Enlist the interventions required for Normal onset of monsoon followed by long gap between subsequent rains.
9. Define watershed and write down principles of watershed management.

NOTE : Disclosure of Identity by writing Mobile No. or Making of passing request on any page of Answer Sheet will lead to UMC against the Student.