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Total No. of Pages : 02

Total No. of Questions : 09

**B.Sc. Hons. (Agriculture) (Sem.-4)**  
**INTRODUCTORY AGRO-METEOROLOGY AND**  
**CLIMATE CHANGE**

Subject Code : BSAG-409-19

M.Code. : 79748

Date of Examination : 24-05-2023

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) Specific humidity
- b) Sublimation
- c) Condensation
- d) Cumulonimbus cloud
- e) Rainbow
- f) Western Disturbance
- g) Extreme weather
- h) Hydrological drought
- i) 'Eye' of the cyclone
- j) Define Agrometeorology.

## **SECTION-B**

2. What is heat wave? Explain the criteria and management measures for heat wave.
3. What are the characteristics of dew formation? Also describe its distribution and importance for winter crops.
4. Explain the vertical profile of temperature. Also, discuss its significance for improving crop production.
5. Define monsoon. Also, explain its types and contribution to agriculture.
6. What is global warming? Also, explain positive and negative impact of global warming.

## **SECTION-C**

7. Explain in details role, structure and composition of the atmosphere.
8. What is crop microclimate? How does a microclimate affect crop production? Also, explain adoption strategies of microclimate modifications.
9. What is cardinal temperature? Also, explain the significance of temperature variations and its effects crop production.

**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.**