

MAHARASHTRA AGRICULTURAL UNIVERSITIES EXAMINATION BOARD, PUNE
SEMESTER END THEORY EXAMINATION

B.Sc.(Hons.) Agriculture

Semester	: 1 (New)	Term	: First	Academic Year	: 2023-24
Course No.	: AGRO 112	Title	: Introductory Agro-meteorology and Climate Change		
Credits	: 2 (1+1)				
Day & Date	: Tuesday, 16.01.2024	Time	: 10:00 to 12:00 hrs.	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 do you mean by Agricultural Meteorology? Describe in detail the scope of Agricultural Meteorology.
- Q.2 What do you mean by Weather forecasting? Give the types of weather forecasting and their utility.
- Q.3 Define Cloud. Give the classification of clouds on the basis of their height.
- Q.4 What is Drought? Enlist various types of drought and discuss the strategies to mitigate drought.
- Q.5 Define Wind and describe in detail forces acting to produce wind.
- Q.6 What do you mean by Precipitation? Explain different forms of precipitation.
- Q.7 Define Temperature. Explain daily and seasonal variations of temperature.
- Q.8 Define Solar radiation and describe the significance of solar radiation in agriculture.
- Q.9 Define Saturated vapour pressure. Give the variation in relative humidity.
- Q.10 Write short notes on (Any Two):
- a) Global warming b) Land and Sea breeze c) Indian Monsoon

SECTION 'B'

- Q.11 Define the following terms:
- 1) Atmospheric pressure
 - 2) Isobar
 - 3) Lapse rate
 - 4) Isotach
- Q.12 Fill in the blanks:
- 1) One standard atmospheric pressure = _____.
 - 2) Rainfall associated with hailstones is called as _____.
 - 3) The direction from which wind blows is known as _____.
 - 4) The particles that are dispersed in the atmosphere are called _____.

