MAHARASHTRA AGRICULTURAL UNIVERSITIES EXAMINATION BOARD, PUNE
SEMESTER END THEORY EXAMINATION

B.Sc.(Hons.) Agriculture

Semester	: **I (New)**	Term	: **First**	Academic Year	: **2022-23**
Course No.	: **AGRO 112**	Title	: **Introductory Agro-Meteorology and Climate Change**		
Credits	: **2 (1+1)**				
Day & Date	: **Wednesday, 29.03.2023**	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 Describe weather and climate modification of crop in agro-meteorological research.

Q.2 What is meant by cloud? Describe the process of cloud formation.

Q.3 Discuss in brief about Climatic Normals for Cotton and Soybean in agriculture.

Q.4 Define weather forecasting and describe the classification of weather forecasting.

Q.5 Define agricultural meteorology and write in brief its scope in agriculture.

Q.6 Define the term temperature and explain diurnal variations in air temperature.

Q.7 Differentiate between Land and Sea breeze.

Q.8 Define the term drought. Give its classification and strategy to mitigate drought.

Q.9 Describe the stratification of atmosphere on the basis of vertical temperature variation.

Q.10 Define the term dew and explain the process of dew formation.

SECTION 'B'

Q.11 Define the following terms:

1) Wind
2) Atmosphere
3) Fog
4) Monsoon

Q.12 Fill in the blanks:

1) Incoming solar radiation received on surface of the earth is known as _____.
2) Cyclones are also known as _____.
3) _____ is the ratio of the amount of water vapour in the air to the amount of vapour the air can hold at that temperature.
4) In India, average precipitation is _____ mm.

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