B.Sc.(Hons.) Agriculture

Semester	: I (New)	**Term**	: I	**Academic Year**	: 2017-18
Course No.	: AGRO 112	**Title**	: Introductory Agro-Meteorology and Climate Change		
Credits	: 2(1+1)				
Day & Date	: Wednesday,03.01.2018	**Time**	: 09.00 to 11.00	**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 diagrams wherever necessary.

SECTION "A"

Q.1 Define weather forecasting. Give the classification of weather forecasting and purpose of short range forecast.

Q.2 Define dew point. Give the conditions required for formation of condensation.

Q.3 Enlist the different types of wind. Write the difference between cyclone and anticyclone.

Q.4 Define lapse rate and write in brief about diurnal temperature variation or daily temperature cycle.

Q.5 Describe in short about radiation budget of the earth atmospheric system.

Q.6 Write in brief about physical structure of atmosphere with height.

Q.7 Describe in brief about causes of climate change.

Q.8 Describe in brief agriculture and weather relationship.

Q.9 Give the types of clouds. Write in brief about the nimbus cloud.

Q.10 Write short notes (Any Two).

a) Orographic rains
b) Drought
c) Global warming
d) Scope of Agricultural Meteorology

SECTION "B"

Q.11 Define the following terms.

1) Fog
2) Heat wave
3) Microclimate
4) Albedo

Q.12 Fill in the blanks.

1) _____scientist (1916) has defined Agricultural Meteorology as 'Meteorology in its relation to agriculture.'
2) Medium range forecast is valid for a period more than _____ days.
3) Stratosphere consists rich layer of _____.
4) Rainfall associated with hailstones is called _____.

✧ ✧ ✧ ✧ ✧ ✧ ✧ ✧ ✧ ✧ ✧

agromind.in

Telegram - AgroMind