Semester	: I (New)	Term	: I	Academic Year	: 2018-19
Course No.	: AGRO 112	Title	: Introductory Agro-Meteorology and Climat Change		
Credits	: 2(1+1)				
Day & Date	: Saturday, 22.12.2018	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 Explain earth's general circulation system of surface wind.

Q.2 Discuss physical structure of atmosphere based on vertical temperature variation.

Q.3 Define solar radiation and elaborate the terms solar constant and albedo.

Q.4 Discuss in detail meaning and scope of agricultural meteorology.

Q.5 What is meant by precipitation? Explain different forms of precipitation.

Q.6 Give climatic normals for sugarcane.

Q.7 Define temperature and explain daily and seasonal variation of temperature.

Q.8 Enlist probable causes of climate change and explain any two.

Q.9 Give classification of clouds and discuss nimbo - stratus and cumulo-nimbus clouds.

Q.10 Write short notes (Any Two).

a) Artificial rain b) Weather forecasting c) Drought

SECTION "B"

Q.11 Define the following terms.

1) Lapse rate 2) Atmospheric pressure

3) Isotach 4) Relative humidity

Q.12 Do as directed.

1) Give any two direct methods to protect crop against frost damage.

2) Atmospheric pressure increases with increase in height. (State true or false)

3) Which layer of atmosphere absorbs UV radiation?

4) A sample of pure air on an average consists_____% of Nitrogen. (Fill in the blanks)

✧ ✧ ✧ ✧ ✧ ✧ ✧ ✧ ✧ ✧ ✧

agromind.in

Telegram - AgroMind