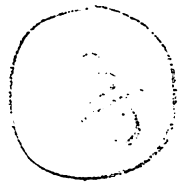


**KERALA AGRICULTURAL UNIVERSITY**  
**B.Sc.Hons (Ag) 2015 Admission**  
**I<sup>st</sup> Semester Final -Examination- March -2016**



Cat. No: Agmt.1101

Marks: 50.00

Title: Agricultural Meteorology (1+1)

Time: 2 hours

**I Fill up the blanks**

(10 x 1=10)

1. Halo phenomenon is associated with .....cloud
- ✓ 2. Thunderstorms are associated with .....clouds
3. The direction of the trade wind in the northern hemisphere is.....
- ✓ 4. Line joining equal temperature is called -----
- ✓ 5. South-West monsoon experiences during ..... month
- ✓ 6. 0 degree C is equal to .....0 F
- ✓ 7. Dew is measured using.....

**State True or False**

8. Water holding capacity of the atmosphere increased with increase in air temperature
9. Long curve sunshine cards are used during April 12 to Sept.3
10. The nearest thermal layer to the earth surface is tropo pause

**II Answer any FIVE questions**

(5 x 2=10)

- ✓ 1. Crop weather diagram
2. Anticyclones
- ✓ 3. Artificial rain making
- ✓ 4. Dry and wet spells
- ✓ 5. Agricultural seasons
6. Synoptic
7. Radiation distribution in plant canopy

**III Answer any FIVE questions**

(5 x 4=20)

1. Write in detail the weather abnormalities and their control.
2. Explain laws of radiation
3. Write in detail the importance and scope of agricultural meteorology
- ✓ 4. Explain the agro climatic classification of India
- ✓ 5. Give an account of the instruments used in agromet observatory
- ✓ 6. Explain the effect of weather elements in the incidence of pests and diseases on crops.
- ✓ 7. Explain the role of green house gases in global warming

**IV Write essay on Any ONE**

(1 x 10=10)

- ✓ 1. What are the different types of clouds based on height and shape
2. Explain the vertical distribution of atmosphere and write in detail the importance of each layer.