

KERALA AGRICULTURAL UNIVERSITY
B.Sc (Hons.) Agriculture Programme – 2011 Admission
Ist Semester Fjnal Examination – February / March 2012

Title : Agmt 1101

Marks : 80

Course : Agricultural Meteorology (1+1)

Time : 3 Hours

I. Fill up the blanks

(10 x 1 = 10)

1. Meteorology is otherwise known as
2. The mean values of the weather data for a number of years are denoted as
3. The air consists of % of CO_2
4. The upper most layer of the earth is called as
5. The value of solar constant is
6. The radiant energy received by the earth is called.....
7. In agricultural meteorology, the basic scales of temperature used are.....
8. When the isobars are circular or elliptical in shape and the pressure is lowest at the centre, such a pressure system is called.....
9. The direction towards which the wind blows is called.....
10. Evaporation is an important process of

II. Write short notes / answers on ANY TEN

(10 x 3 = 30)

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|--------------------|-------------------------|
| 1. Climatology | 7. Agricultural seasons |
| 2. Atmosphere | 8. Cardinal temperature |
| 3. Solar radiation | 9. Soil thermometer |
| 4. Evaporation | 10. Green house gases |
| 5. Precipitation | 11. Cloud seeding |
| 6. Monsoons | 12. Climate change |

III. Write short essays on ANY SIX

(6 x 5 = 30)

1. Global warming
2. Remote sensing
3. Crop weather calendar
4. Synoptic chart
5. Automatic weather station
6. Role of weather on insect pest and diseases
7. Different types of clouds based on height and shape
8. Global distribution of pressure and wind

IV. Write essay on ANY ONE

(1 x 10 = 10)

1. Define Meteorology. State the scope and importance of Agricultural meteorology
2. Define weather forecasting. Write its types and importance in Agriculture