

KERALA AGRICULTURAL UNIVERSITY

B.Sc (Hons.) Ag. 2014 and Previous Admission
Ist Semester Final Examination- February-2015

Cat. No: Agmt.1101

Marks: 50

Title: Agricultural Meteorology (1+1)

Time: 2 hours

I) Fill up the blanks

(10 x 1=10)

1. Physical state of the atmosphere at a given place and given time is called _____
2. Lines connecting points of equal atmospheric pressure is called _____
3. Mean annual rainfall of India is _____ mm
4. Gaseous portion of the earth is called _____
5. Plants grow better under shaded conditions is _____
6. Temperature a) Octa
7. Wind b) Millibar
8. Xerophytes c) Grow in extreme dry condition
9. Sciophytes d) $^{\circ}\text{C}$, $^{\circ}\text{F}$
10. Atmospheric pressure e) Shade loving plants

II Write short notes on any FIVE

(5 x 2=10)

1. Scope of agricultural meteorology
2. Cyclones and its impact on agriculture in Kerala
3. Trade winds and its impact on Indian monsoon
4. Importance of relative humidity for crops
5. Global warming
6. Conduction Vs Convection
7. Diurnal and seasonal variation of soil temperature

III Write short essays on FIVE of the following

(5 x 4 =20)

1. Cloud seeding and its type
2. Factors affecting the air temperature
3. Do you feel all ranges of solar spectrum are useful for crop production. Justify
4. Types of rainfall and its influence on Agriculture in Kerala
5. Differentiate between weather and climate
6. Climate risk management
7. Vertical structural classification of atmosphere

IV Write essay on ANY ONE

(1 x 10=10)

1. Cloud classification

2. Role of remote sensing in agriculture
