



KERALA AGRICULTURAL UNIVERSITY
B.Sc. (Hons.) Ag. 2017 Admission
I Semester Final Examination-February-2018

Agmt.1101

Introductory Agro-meteorology & Climate Change (1+1)

Marks: 50
Time: 2 hours
(10x1=10)

I Fill in the blanks

- 1 Instantaneous physical state of the atmosphere is referred as-----.
- 2 India receives major rain from -----monsoon
- 3 The instrument used to measure wind direction-----.
- 4 -----is the atmospheric layer wherein most of the UV rays are absorbed.
- 5 Number of oxygen molecules in ozone-----.
- 6 -----unit is used to measure the thickness of ozone.
- 7 The longest day in the northern hemisphere-----.
- 8 The guide date of onset of S-W monsoon to Kerala Coast-----.
- 9 Location of IMD-----.
- 10 World Ozone Day is celebrated every year on -----.

II Write Short notes on ANY FIVE of the following

(5x2=10)

- 1 Ozone hole formation
- 2 Thermal lag
- 3 Cardinal temperature
- 4 Smog
- 5 Cyclone
- 6 Photosynthetically active radiation (PAR)
- 7 Drought

III Answer ANY FIVE of the following

(5x4=20)

- 1 Write the types of weather forecasting in India.
- 2 Give reason, above 50 km and below 10 km of the ozone layer no ozone is produced.
- 3 What is the effect of El-Nino on Indian monsoon?
- 4 Write the mandates of Gramin Krishi Mousam Sewa Project(Agromet Advisory Service).
- 5 What is cloud seeding? Write the phenomenon involved in it
- 6 Write the different types of precipitation.
- 7 Write the factors influencing air temperature.

IV Write an essay on ANY ONE of the following

(1x10=10)

- 1 How Southwest monsoon winds develop and traverse in India?
- 2 Give various causes of global warming and its effect on plant life.
