

**MAHARASHTRA AGRICULTURAL UNIVERSITIES EXAMINATION DEPARTMENT
SEMESTER END EXAMINATION**

B.Sc. (Hons.) Horticulture

Semester : I (New)	Term : I	Academic Year : 2018-19
Course No. : H/AGROMET 111	Title : Agro-Meteorology and Climate Change	
Credits : 2(1+1)	Time : 09.00 to 11.00	Total Marks : 40
Day & Date : Saturday, 22.12.2018		

- 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 Define meteorology and describe the scope of meteorology in general.
- Q.2 Enlist agroclimatic zones of Maharashtra. Give details of South Konkan Zone.
- Q.3 What is atmosphere? Describe compositional layering of atmosphere with diagram.
- Q.4 Describe in brief factors affecting soil temperature.
- Q.5 What is precipitation? Describe different forms of precipitation.
- Q.6 What do you mean by cloud? Enlist WMO cloud classification and explain basic types of clouds.
- Q.7 What is drought? Explain various types of drought.
- Q.8 What is climate change? Explain in brief effect of climate change on horticulture.
- Q.9 Define weather forecasting and describe the types of weather forecasting.
- Q.10 Describe the responses observed in C₃ and C₄ plants due to elevated CO₂.

SECTION "B"

- Q.11 Define the following terms.

- 1) Condensation
- 2) Isotherm
- 3) Equinox
- 4) Albedo

- Q.12 Match the following pairs.

'A'

- 1) Thermograph
- 2) Barograph
- 3) Octa Scale
- 4) Beaufort Scale

'B'

- a) Automatic Air pressure
- b) Automatic Air Temperature
- c) Wind Speed
- d) Cloud Cover

