

**U.G. 3rd Semester Examination - 2020**

**ENVIRONMENTAL SCIENCE**

**[HONOURS]**

**Course Code : ENVS-H-CC-P-07**

**(Atmosphere and Global Climate Change)**

**[PRACTICAL]**

Full Marks : 20

Time : 2 Hours

*The figures in the right-hand margin indicate marks.*

Answer any **two** of the following:  $10 \times 2 = 20$

1. a) What is windrose? Outline the standard method of preparation of a windrose map or diagram. Mention its application in meteorology.  
b) Write the significance and S.I. units of the following weather parameters– atmospheric pressure and solar radiation.  $(1+3+2)+4=10$
2. Enumerate different meteorological parameters and present their vertical profile with illustration. 10
3. a) What is dew point temperature? How it can be measured?

b) Compare the working principles and applications of wet bulb and dry bulb thermometers.

c) State the uses of barometer.  $(2+2)+4+2=10$

4. Describe the working principle and application of the following meteorological data recording instruments with neat sketches:

a) Rain gauge

b) Anemometer

$5+5=10$