2022

# GEOGRAPHY (Honours)

Paper Code : DC-5B

[Climatology]

(Practical)

Set - 1

Full Marks : 15                    Time : One Hour Thirty Minutes

*The figures in the margin indicate full marks.*
Answer *all* questions.

1. Read the instrument provided to you by the centre and note the readings in a table and find out the relative humidity with proper illustrations.                    5

2. Prepare a climograph of Kolkata (Table-1) as proposed by Taylor based on the following data and interpret the nature of comfortness. What is the necessity of using alcohol in Six's maximum minimum thermometer ?

                                                        6+1=7

3. Laboratory Note Book and Viva-voce.          1.5+1.5=3

Table-1  Kolkata, 2012

| Months | Wet Bulb Temperature (Degree F) | Relative Humidity (%) |
|---|---|---|
| January | 64.8 | 40 |
| February | 68.5 | 44 |
| March | 70.5 | 38 |
| April | 78.1 | 38 |
| May | 82.9 | 57 |
| June | 82.3 | 69 |
| July | 80.8 | 81 |
| August | 80.7 | 79 |
| September | 80.0 | 75 |
| October | 78.0 | 72 |
| November | 68.9 | 48 |
| December | 68.4 | 48 |

## 2022

## GEOGRAPHY (Honours)

### Paper Code : DC-5B

### [Climatology]

### (Practical)

### Set - 2

Full Marks : 15          Time : One Hour Thirty Minutes

*The figures in the margin indicate full marks.*
Answer *all* questions.

1. Take at least three readings from the barometer given to you after proper adjustments and note it in a table neatly. Find out the atmospheric pressure in millibar.    5

2. Prepare a hythergraph of Delhi after Taylor (Table-1) and interpret the climatic characteristics.    6+1=7

3. Laboratory Note Book and Viva-voce.    1.5+1.5=3

.P.T.O.

Table-1  Delhi, 2010

| Months | Temperature (Degree C) | Rainfall (mm) |
|---|---|---|
| January | 14 | 25 |
| February | 17 | 22 |
| March | 23 | 17 |
| April | 29 | 07 |
| May | 34 | 08 |
| June | 34 | 65 |
| July | 31 | 211 |
| August | 30 | 173 |
| September | 29 | 150 |
| October | 26 | 31 |
| November | 20 | 01 |
| December | 16 | 05 |

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(Practical)

Set - 3

Full Marks : 15                    Time : One Hour Thirty Minutes

*The figures in the margin indicate full marks.*
Answer *all* questions.

1. Note the readings neatly in a table and find out the maximum and minimum temperature in degree Celsius for the date with current time and temperature. Calculate the diurnal range of temperature.                    5

2. Prepare a climograph (Table-1) as proposed by Taylor based on the following data and interpret the nature of comfortness. When a star diagram is used ?        6+1=7

3. Laboratory Note Book and Viva-voce.        1:5+1.5=3

P.T.O.

Table-1   Kalyani, 2015

| Months | Wet Bulb Temperature (Degree F) | Relative Humidity (%) |
|---|---|---|
| January | 64.5 | 43 |
| February | 68.0 | 45 |
| March | 71.5 | 39 |
| April | 78.5 | 41 |
| May | 82.8 | 58 |
| June | 82.2 | 71 |
| July | 80.6 | 81 |
| August | 80.7 | 80 |
| September | 80.0 | 78 |
| October | 78.1 | 73 |
| November | 68.4 | 48 |
| December | 68.4 | 45 |