2019

GEOGRAPHY — HONOURS — PRACTICAL

Paper : CC – 5P

(Climatology Lab.)

Full Marks : 30

The figures in the margin indicate full marks.

BATCH – I

1. Interpret the given weather map (**No. 1**) of India under the following heads, using suitable sketches/diagrams : 5+5

   (a) Pressure condition

   (b) Sky condition.

2. Prepare a hythergraph on the basis of the following data (**Table-1**) and interpret it. 8+2

Table – 1

Months	Temperature in °C	Rainfall in mm.
January	19·5	34
February	22·5	20
March	28·1	57
April	28·7	105
May	31·5	93
June	31·9	79
July	28·9	488
August	28·8	436
September	28·3	397
October	27·7	79
November	25·3	9
December	20·4	23

3. Measure the range of temperature (in °C) by using Maximum and Minimum Thermometers. Note the measurements in a proper fieldbook. 5

   [Time to be allotted for records per candidate : 5 min.]

4. Viva voce based on Laboratory Notebook. 5

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BATCH – II

1. Interpret the given weather map (**No. 1**) of India under the following heads, using suitable sketches/diagrams : 5+5

   (a) Trend of isobars and pressure gradients

   (b) Cloud cover and rainfall.

2. Draw a wind rose diagram on the basis of data given below (**Table-1**) and comment on the annual variations in wind directions. 8+2

Table – 1

Mean number of days per year (in per cent) of wind directions.

	N	NE	E	SE	S	SW	W	NW	CALM
Annual Mean	5	3	5	11	26	11	4	10	25

3. Measure the relative humidity from the dry and wet bulb thermometers or a hygrometer, using a proper fieldbook. Consult the given RH table for the purpose. 5
   [Time to be allotted for records per candidate : 5 mins.]

4. Viva voce based on Laboratory Notebook. 5

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BATCH – III

1. Interpret the given weather map (**No. 1**) of India under the following heads, using suitable sketches/diagrams : 5+5

   (a) Pressure condition

   (b) Wind direction and velocity.

2. Draw a climograph after G. Taylor, based on the data given below (**Table-1**) and interpret it. 8+2

Table – 1

Months	Mean Relative Humidity (%)	Mean Wet Bulb Temperature (°F)
January	41	64
February	43	63
March	39	68
April	38	76
May	56	80
June	68	82
July	80	80
August	78	81
September	74	80
October	71	76
November	65	72
December	49	64

3. Measure the average temperature (in °C) by using Maximum and Minimum thermometers. Note the measures on a suitable fieldbook. 5

   [Time to be allotted for records per candidate : 5 mins.]

4. Viva voce based on Laboratory Notebook. 5