

2020

GEOGRAPHY — HONOURS — PRACTICAL

Paper : CC-5P

(Climatology Lab)

Full Marks : 30

The figures in the margin indicate full marks.

1. Interpret the given weather map of India under the following heads. Use suitable sketches.

(a) Trend of isobars and pressure conditions.

(b) Sky condition.

5+5

2. (a) Draw a Climograph after G. Taylor, based on the data given below and interpret it.

8+2

Months	Mean Relative Humidity (%)	Mean Wet Bulb Temperature (°F)
January	41	63
February	43	68
March	39	73
April	38	79
May	56	82
June	70	83
July	80	81
August	78	81
September	75	80
October	71	77
November	47	68
December	47	68

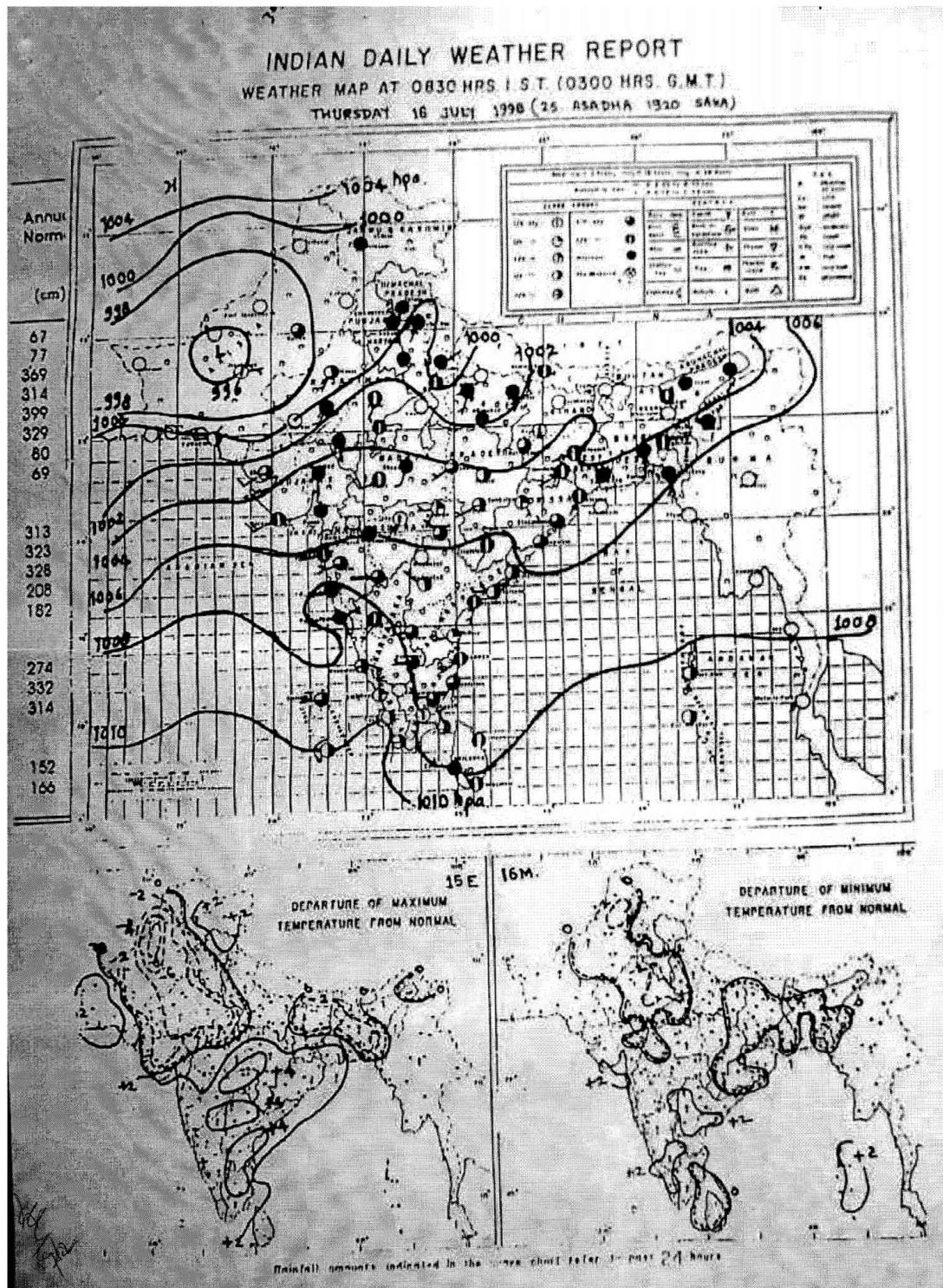
(b) Mentioning the name of the instrument, describe the process of estimation of the daily range of temperature.

5

3. Laboratory Notebook.

5

Please Turn Over



2020**GEOGRAPHY — HONOURS — PRACTICAL****Paper : CC-6P****(Hydrology and Oceanography)****Full Marks : 30***The figures in the margin indicate full marks.*

1. Draw an Ergograph based on the data provided and interpret the same.

12+3

Month	Max. Temp in °C	Min. Temp in °C	Rainfall in mm	Humidity in %
January	18.4	4.1	32	61
February	20.5	6.5	35	53
March	22.35	11.4	31	42
April	30.5	15.6	24	36
May	35.6	18.5	120	32
June	38.5	25.6	145	46
July	34.6	23.5	296	72
August	33.2	23.8	325	76
September	32.8	21.6	259	71
October	27.5	18.5	36	52
November	23.4	13.6	12	40
December	19.5	10.5	21	43

Crop	Sowing Season	Harvesting Season
Paddy	Mid – June	Mid – October
Groundnut	July	October
Potato	Mid – October	Mid – February
Wheat	October	January
Mustard	October	January

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2. Construct a rating curve based on the following data.

10

Gauge height in metres	Discharge in cumecs
3.6	820
4.2	1002
5.5	1165
6.5	1280
10.6	1675
12.1	1720
10.6	1550
9.25	1525
9.75	1595
9.80	1575
9.00	1465
8.80	1420

3. Laboratory Notebook.

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2020**GEOGRAPHY — HONOURS — PRACTICAL****Paper : CC-7P****(Statistical Methods in Geography)****Full Marks : 30***The figures in the margin indicate full marks.*

1. (a) Prepare a frequency distribution table with six equal classes using the data for Covid-19— Deaths- Newly reported on 28.01.2021 by choosing systematic sampling (columnwise every 2nd Covid-19 value) of 50 countries.

Table - 1

Covid-19 Deaths-Newly Reported on 28.01.2021 for 50 countries.

123	75	41	109	315
575	53	19	93	22
349	93	15	50	87
87	54	381	30	575
467	76	219	54	78
132	1214	149	48	389
241	165	49	32	130
389	220	77	95	295
69	153	178	75	69
293	91	58	109	58

(b) Calculate Median and Mean.

(c) Draw a histogram and comment on it.

(d) Calculate the mean deviation.

(2+2)+(2+2)+(3+1)+3

2. Using the data provided in Table No. 2

(a) Draw a scatter diagram and the best fit line.

(b) Interpret the nature of relationship between the variables.

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(c) Calculate the expected runoff for the given rainfall of the stations.

(3+3)+2+2

Table : 2

Stns.	Rainfall (mm)	Run off ('00 cumecs)
1	710	5.4
2	540	5.7
3	670	7.0
4	760	9.8
5	496	10.0
6	760	7.1
7	975	14.0
8	805	8.0
9	785	11.5
10	714	5.3

3. Evaluation of Laboratory Notebook.

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