

2019

GEOGRAPHY — HONOURS — PRACTICAL

Paper : CC-6P

(Hydrology and Oceanography)

Full Marks : 30

The figures in the margin indicate full marks.

BATCH – I

1. Graphically represent the climatic water budget based on the data given below and interpret the same.
12+3

Month	Precipitation (mm)	Potential Evapotranspiration (mm)
January	24	100
February	20	120
March	15	150
April	22	180
May	14	200
June	75	160
July	190	150
August	175	110
September	155	120
October	24	140
November	16	125
December	10	100

Please Turn Over

2. Draw an annual hydrograph for a river on the basis of the following data.

10

Month	Discharge in cusec
January	260
February	297
March	279
April	320
May	290
June	266
July	527
August	1232
September	612
October	321
November	276
December	230

3. Viva voce based on Laboratory Notebook.

5

2019**GEOGRAPHY — HONOURS — PRACTICAL****Paper : CC-6P****(Hydrology and Oceanography)****Full Marks : 30***The figures in the margin indicate full marks.***BATCH – II**

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

12+3

Month	Max. Temp. in °C	Min. Temp. in °C	Rainfall in mm	Humidity in %
January	20.4	6.1	33.1	63
February	23.1	8.3	38.9	55
March	28.4	13.4	30.4	47
April	34.5	18.9	8.5	34
May	38.3	23.1	28.4	33
June	38.6	25.4	145.2	46
July	34.0	23.9	280.4	70
August	33.1	23.8	307.5	73
September	32.8	21.3	133.0	62
October	31.8	17.0	21.9	52
November	27.3	10.5	9.4	48
December	22.1	6.7	22.8	54

Crop	Sowing Season	Harvesting Season
Paddy	Mid-June	Mid-October
Bajra	July	November
Wheat	October	January
Tur Dal	June	December
Groundnut	July	October
Potato	Mid-October	Mid-February

Please Turn Over

2. Construct and interpret a rating curve on the basis of the following data.

8+2

Gauge Height in metres	Discharge in cumecs
3.50	860
4.00	1055
5.79	1175
6.50	1380
10.75	1675
10.78	1720
9.25	1595
10.50	1625
9.75	1575
8.50	1465

3. Viva-voce based on Practical Notebook.

5

2019

GEOGRAPHY — HONOURS — PRACTICAL

Paper : CC-6P

(Hydrology and Oceanography)

Full Marks : 30

The figures in the margin indicate full marks.

BATCH - III

1. Three raingauge stations are located in a basin area as shown in the map. (Map - 1)

The annual rainfall recorded in these stations are as follows.

Station	Rainfall in cm.
A	83
B	120
C	101

Draw Thiessen polygons and calculate the average annual rainfall in the basin area.
(Tracing graph paper to be provided)

15

2. Draw an annual hydrograph for a river on the basis of the following data and interpret it.

8+2

Months	Discharge in Cumecs
January	8523
February	6279
March	4310
April	4566
May	6583
June	11230
July	13180
August	15260
September	14340
October	9170
November	7230
December	7140

3. Viva-voce based on Laboratory Notebook.

5