

2020
GEOGRAPHY-HONOURS-PRACTICAL

Eighth Paper
(Group B)
Module 16
[Contemporary Techniques in Geography]
Full Marks: 50

The figures in the margin indicate full marks

Unit I
(25 marks)

Answer any one question

1. Draw an *Ombrothermic diagram* on the basis of the following data collected from a meteorological station. Interpret the diagram. 20+5

Month	Maximum Temperature (°C)	Minimum Temperature (°C)	Rainfall (in mm)
January	18.0	13.0	3.5
February	20.0	18.0	11.5
March	22.0	20.0	15.0
April	26.0	22.0	70.0
May	35.0	30.0	82.0
June	36.0	30.0	165.0
July	35.0	26.0	240.0
August	33.0	28.0	410.0
September	32.0	30.0	360.0
October	30.0	26.0	275.0
November	27.0	22.0	36.0
December	19.0	16.0	12.0

2. Draw an annual hydrograph for a river on the basis of the following data and interpret the hydrograph. 20+5

Month	Discharge (in cumec)
January	6,760
February	6,500
March	4,210
April	4,890
May	7,550
June	12,620
July	15,370
August	18,610
September	14,860
October	6,680
November	6,130
December	5,760

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Unit II
(25 marks)

Answer any one question

3. (a) Compute and draw a Lorenz curve to show the concentration of scheduled tribe population in the given C D Blocks of Nadia district. 20
 (b) Interpret the diagram 5

C D Block	Total Population (2011)	Scheduled Tribe Population (2011)
Karimpur - I	183,556	5,867
Karimpur - II	217,136	2,643
Tehatta - I	244,322	4,481
Tehatta - II	151,231	2,092
Kaliganj	334,881	1,642
Nakashipara	386,569	9,907
Chapra	310,652	2,027

4. (a) Calculate the Human Development Index for the following countries. 20
 (b) Rank them and interpret. 5

Countries	Life Expectancy at Birth (years)	Adult Literacy Rate (%)	Combined Gross Enrolment Ratio (%)	GDP per Capita (PPP US \$)
India	63.4	66.0	61.0	2,753
Thailand	68.7	94.1	78.0	8,135
Sri Lanka	74.9	90.8	68.7	4,243
Pakistan	66.2	54.2	39.3	2,496
China	72.9	93.3	68.7	5,385