

2020

**GEOGRAPHY – HONOURS – PRACTICAL****Eighth Paper Group: B Module - 16: Contemporary Techniques in Geography****Full Marks: 50 Time: 2 Hours (12 Noon to 2 P.M.)***The figures in the margin indicate full marks***Unit – I: Natural Hazards and their Management in the Indian Sub-continent***Answer any one question*

1. Draw a Rating Curve on the basis of the following data collected from a gauging station on a river (Table No. 1). Interpret the Rating Curve. 20+5

**Table No. 1**

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

2. Draw an Annual Hydrograph for the river on the basis of the following data (Table No. 2) and interpret it. 20+5

**Table No. 2**

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

*Please Turn Over*

## Unit – II: Economic and Human Development in Third World

*Answer any one question*

3. Calculate the Human Development Index for the following countries of the world in 2005 (Table No. 3). Prepare a Rank Table for the countries according to the Human Development Index and interpret the same. 20+3+2

**Table No. 3**

Sl. No.	Name of the Country	Life Expectancy at Birth (Years)	Adult Literacy (%)	Combined Gross Enrolment Ratio (%)	GDP Per Capita (PPP US\$)
1	India	63.4	66.0	61.0	2753
2	Bangladesh	59.4	41.3	37.0	1602
3	Nepal	58.6	41.8	60.0	1327
4	Bhutan	62.0	47.0	33.0	1412
5	Sri Lanka	74.0	90.8	68.7	4243

4. Compute and draw a Lorenz Curve to show the concentration of literate population in C.D. Blocks of Darjeeling district with the following data set (Table No. 4). Interpret the diagram. 10+10+5

**Table No. 4**

C.D. Blocks	Total Population (2011)	Literate Population (2011)
Darjeeling Pulbazar	126935	93101
Rangli Rangliot	70125	51492
Kalimpong-I	74746	54820
Kalimpong-II	66830	47520
Gorubathan	60663	41687
Jorebunglow Sukiapokhri	113516	86004
Mirik	46374	34334
Kurseong	94347	69646
Matigara	197278	129006
Naxalbari	165523	110663
Phansidewa	204522	113572
Kharibari	109251	63540

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