2023

GEOGRAPHY (Honours)

Paper Code : GEOH DC-3B

(Population and Settlement Geography)

(Practical)

Set - I

Full Marks : 15   Time : One Hour Thirty Minutes

The figures in the margin indicate full marks.

Attempt *all* the questions.

1. Prepare a Population density map to show the density distribution of population of C.D. Blocks of Maldah District and interpret it.   6+1=7

Sl. No.	CD Block	Area in Sq. km	Population (2001)
1	Harischandrapur-I	171.41	162406
2	Harischandrapur-II	217.21	198039
3	Chanchal-I	162.14	174204
4	Chanchal-II	205.22	165192
5	Ratua-I	230.53	217356
6	Ratua-II	173.93	160904
7	Gajal	513.65	294715
8	Bamongola	205.91	127252
9	Habibpur	396.07	187650
10	Maldah	215.66	131255

P.T.O.

Sl No.	CD Block	Area in Sq. km	Population (2001)
11	Englishbazar	251.91	226215
12	Manikchak	316.28	214123
13	Kaliachak-I	106.59	310821
14	Kaliachak-II	209.23	211533
15	Kaliachak-III	254.79	284351

2. Calculate the expected population by Rank-Size Rule of Six selected urban population of Birbhum district and draw a Rank-Size graph on logarithmic graph paper.   5

Sl No.	Name of the Urban Units	Total Population (2011)
1	Nalhati	15073
2	Rampurhat	34593
3	Suri	40783
4	Illambazar	30487
5	Sainthia	24081
6	Bolpur	38436

3. Laboratory note book and Viva-Voce.   1.5+1.5=3

2023

GEOGRAPHY (Honours)

Paper Code : GEOH DSE-3B

(Applied Geomorphology)

(Practical)

Set - I

Full Marks : 15   Time : One Hour Thirty Minutes

The figures in the margin indicate full marks.

Answer *all* the questions.

1. Draw a long profile from the given data of a small tributary of a river with a suitable scale and interpret the nature of the profile.   3+2=5

Distance (km)	0	1.9	4.2	6.9	9.8	12.5	16.8	20.0
Height (m)	640	600	520	440	380	320	300	260

2. Draw a hypsometric curve for 'X' river from the given table and explain the landform evolution of this river basin.   5+2=7

P.T.O.

Height (m)	Area (km^2)	Remarks
800	0.00	Total area (A) of the basin
700	3.85	14.67 sq. km.
600	5.65	Maximum relative height
500	9.98	(H) is 500 m.
400	11.25	
300	14.67	

3. Laboratory note book and viva-voce.　　　1.5+1.5=3

2023

GEOGRAPHY (Honours)

Paper Code : GEOH DSE-3B

(Applied Geomorphology)

(Practical)

Set - III

Full Marks : 15

Time : One Hour Thirty Minutes
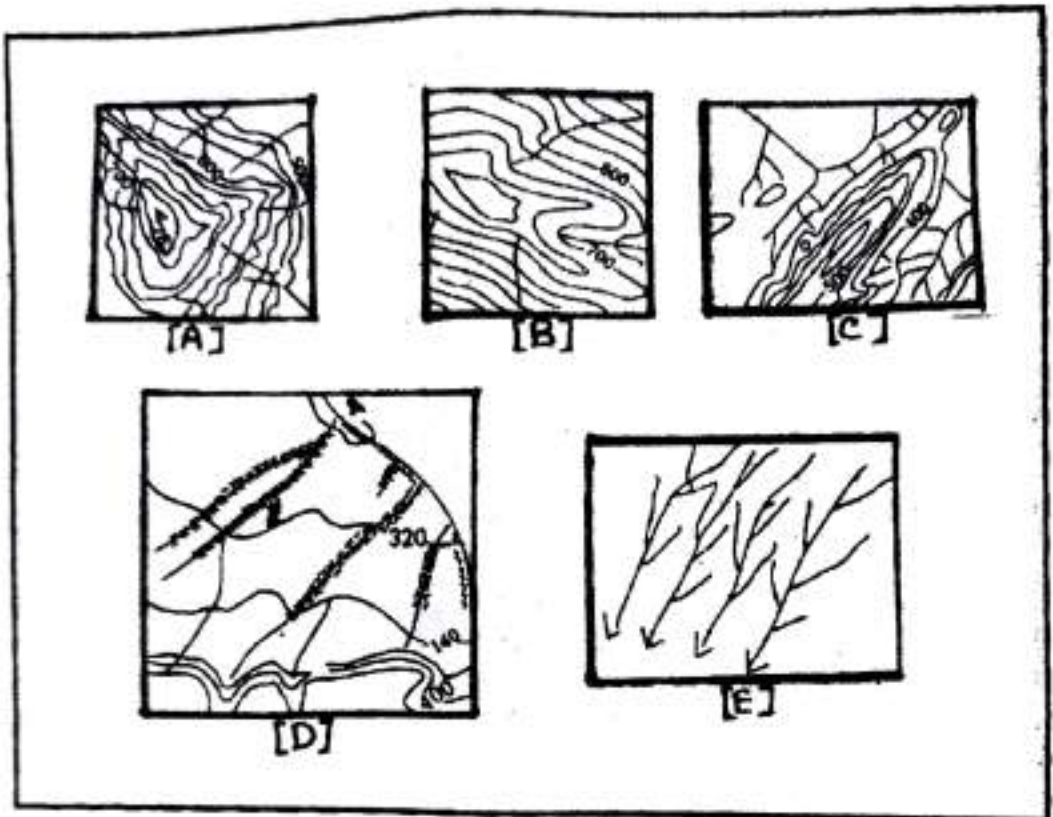
The figures in the margin indicate full marks.

Answer *all* the questions.

1. Draw a hypsometric curve for 'X' river from the given table and explain the landform evolution of this river basin.

   5+2=7

Height (m)	Area (km^2)	Remarks
700	0.00	Total area (A) of the basin is 8.20 sq. km. Maximum relative height (H) is 500 m.
600	0.41	
500	3.09	
400	7.15	
300	7.50	
200	8.20	

2. Identify the following morphological features and write short notes on them. 1×5=5

3. Laboratory note book and viva-voce. 1.5+1.5=3

2023

GEOGRAPHY (Honours)

Paper Code : GEOH DSE-3B

(Human Geography)

(Practical)

Set - III

Full Marks : 15   Time : One Hour Thirty Minutes

The figures in the margin indicate full marks.

Answer *all* the questions.

1. Calculate Population potential of selected town/ municipalities of Murshidabad district (Map 1) with the help of given data (Table 1 and Table 2) and interpret the result.

           6+1=7

Table 1 : Population in Town/Municipalities of Murshidabad district

Sl. No.	Town/Municipality	Population
1	Behrampore (M)	195223
2	Beldanga (M)	29205
3	Kandi (M)	55632
4	Jangipur (M)	88165
5	Dhuliyan (M)	95706
6	Murshidabad (M)	44019
7	Jiaganj-Azimganj (M)	51790

Source: Census of India, 2011

P.T.O.

Table 2 : Distance (KM) among Town/Municipalities

Town/Municipality	Berhampore	Beldanga	Kandi	Jangipur
Berhampore (M)	6	20	32	42
Beldanga (M)	20	10	51	74
Kandi (M)	32	51	16	80
Jangipur (M)	42	74	80	18
Dhuliyan (M)	81	102	105	37
Murshidabad (M)	12	30	40	64
Jiaganj-Azimganj (M)	19	39	43	36

Town/Municipality	Dhuliyan	Mushidabad	Jiaganj-Azimganj
Berhampore (M)	81	12	19
Beldanga (M)	102	30	39
Kandi (M)	105	40	43
Jangipur (M)	37	64	36
Dhuliyan (M)	18.5	91	83
Murshidabad (M)	91	5	10
Jiaganj-Azimganj (M)	83	10	5

Source : Search from Google retrieved on 06.05.2023

2. Calculate the Human Development Index of Ecuador with help of given data considering latest UNDP Goal Post and mention in which categories of Human Development, Ecuador belongs to? 4+1=5

Dimension	Ecuador
Life expectancy at birth (Years)	73.7
Expected years of schooling (Years)	14.6
Mean years of schooling (Years)	8.8
Gross National Income per capita (2017 PPP $)	10,312

SOURCE: UNDP-2021

3. Laboratory note book and viva-voce. 1.5+1.5=3

2023

GEOGRAPHY (Honours)

Paper Code : GEOH DC-3B

(Population and Settlement Geography)

(Practical)

Set - III

Full Marks : 15   Time : One Hour Thirty Minutes

The figures in the margin indicate full marks.

Attempt *all* the questions.

1. The following data represents population growth of the selected states of India (2001-2011). Calculate the decadal growth rate and represent it with suitable diagram.   4+1=5

Sl. No.	Name of the state	Population (2001)	Population (2011)
1	Jammu and Kashmir	10069917	12,548,926
2	Himachal Pradesh	6077248	6,864,602
3	Punjab	24289296	27,704,236
4	Hariyana	21082989	25,353,081
5	Rajasthan	56473122	68,621,012
6	Uttar Pradesh	166052859	199,812,341

2. Calculate Nearest Neighbour analysis or Index from the given Map and also mention the type of settlement.

6+1=7

3. Laboratory note book and Viva-Voce.   1.5+1.5=3

———————

2022

GEOGRAPHY (Honours)

Paper Code : DC - 3B

[Practical]

(Set - 2)

Full Marks : 15   Time : One Hour Thirty Minutes

The figures in the margin indicate full marks.

Attempt *all* the questions.

1. Find out the Nearest Neighbour from the given Map and interpret the result.   6+1

2. The following data represents population growth of the cities/towns in India (2001-2011). Calculate decadal growth rate and interpret it with suitable diagram.   4+1

Sl	City	Population (2011)	Population (2001)
1	Delhi	1,10,07,835	98,79,172
2	Bhilai	6,25,697	5,56,366
3	Dhanbad	11,62,472	10,65,327
4	Gorakhpur	6,71,048	6,22,701
5	Siliguri	5,09,709	4,72,374
6	Naihati	2,17,900	2,15,303
7	Thanjavur	2,22,943	2,15,314
8	Kulti	3,13,977	2,89,903

3. Laboratory note book and viva-voce.   1½+1½