

UGB SEMESTER-IV (CBCS) H/ Pr/ 2021 (N)
2021
Geography (H)
Paper DC8B, DC9B AND DC10B
(Practical)

Full Marks: 45

Time: Four Hours

The figures in the margin indicate full marks

DC8B

1. Delineation the formal region on the basis of total population and total workers (2011) of Malda district from given data using Weighted index number method and interpret it.
 4+2+2=8

Block	Population in 2011	Total workers in 2011
Harishchandrapur-I	199493	70153
Harishchandrapur- II	251345	78752
Chanchal-I	204740	77826
Chanchal-II	205333	70646
Ratua-I	275388	90358
Ratua-II	202080	61169
Gazole	343830	146098
Bamongola	143906	61236
Habibpur	210699	96568
Old Malda	156365	63124
English Bazar	274627	98746
Manikchak	269813	97646
Kaliachak-I	392517	174522
Kaliachak-II	210105	89659
Kaliachak-III	359071	160395

2. Compute and draw a Lorenz curve and Gini coefficient to show the concentration of SC population (2001) of Malda district and interpret it.
 4+1=5

Block	Total Population in 2001	SC population in 2001
Harishchandrapur-I	162406	40806
Harishchandrapur- II	198039	22126
Chanchal-I	174204	23736
Chanchal-II	165192	14518
Ratua-I	217356	17646

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Ratua-II	160904	12812
Gazole	294715	98649
Bamongola	127252	63459
Habibpur	187650	36865
Old Malda	131255	36572
English Bazar	226236	35085
Manikchak	214127	24192
Kaliachak-I	310935	8337
Kaliachak-II	211406	17349
Kaliachak-III	284316	22351

3. Laboratory notebook and viva voce. 2

DC9B

4. The production ('000 tonnes) of four important crops in West Bengal is given below for construct the index of agriculture efficiency using Kendall's method and interpret it.
 3+2+1=6

Districts	Production ('000 tonnes) in 2014-2015			
	Musur	Maskalai	Khesari	Gram
Darjeeling	0.01	0.228	0.01	-
Jalpaiguri	1.155	0.728	0.537	0.102
Kooch Behar	0.117	1.308	0.296	-
Uttar Dinajpur	0.512	0.916	-	0.049
Dakshin Dinajpur	0.248	0.35	-	0.018
Malda	2.828	10.569	2.748	2.213
Murshidabad	19.369	11.443	8.225	6.787
Birbhum	5.621	0.037	3.555	9.423

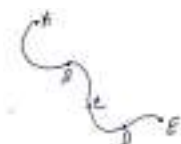
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Burdwan	1.556	0.02	0.308	0.145
Nadia	22.485	10.759	1.385	10.567
24-parganas (N)	6.962	2.08	0.615	0.495
Hoogli	0.1777	-	-	0.037
Bankura	0.179	0.001	-	0.036
Purulia	0.019	3.287	0.126	0.203
Paschim Medinipur	1.429	0.018	0.114	0.008
Howrah	0.016	-	0.788	-
24-parganas (S)	0.818	0.47	7.762	0.761
Purba Medinipur	0.015	0.118	14.578	-

5. Calculate the co-efficient of geographical association based on the following data and interpret it. 3+1=4

Serial no	Name of the area	SC population	ST population
1	A	224556	4220
2	B	255312	4375
3	C	218753	7236
4	D	145323	523
5	E	425357	8151

6. Prepare a matrix table based on Shimbel's method from given data and comment it. 2+1=3



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DC10B

8. Identification of soil types in the given data by ternary textural plotting and interpret it.
6+2=8

Name of sample	Textural composition of soil in gram		
	Sand	Silt	Clay
A	150	250	70
B	125	175	57
C	257	213	110
D	25	77	65
E	152	127	75
F	275	127	15
G	152	157	75

9. What is EIA and benefits of check-list for EIA. 2+2=4
10. What is the value of acceptable limit of water PH for drinking water in Indian context. 1
11. Laboratory notebook and viva voce. 2

Link for answer script submission: <https://forms.gle/8kQG1dgJGhPXt95u8>