

# KANYASHREE UNIVERSITY

M.A./M.Sc. 2<sup>nd</sup> Semester Examination-2023

Subject: Geography

Course-CC 212

Quantitative & Field Techniques

Full Marks-50

Time-4.00 Hours

[Answer **all** of the following]

(10x4=40)

1. Compute and draw a Lorenz curve to show concentration of schedule tribe population of selected districts of West Bengal in 2001. Interpret the nature of this curve. (8+2=10)

Sl.No	Name of the districts	Total Population (2001)	Schedule Tribe Population(2001)
1	Burdwan	6050605	375033
2	Birbhum	2555664	177501
3	Bankura	2805065	289906
4	Medinipur	8331912	689636
5	North 24 Parganas	7281881	169831
6	South 24 Parganas	5715030	70499
7	Howrah	3729644	10090
8	Hoogly	4355230	176401
9	Nadia	3852097	90525
10	Murshidabad	4740149	61513

2. Draw an exponential growth curve from the given data.

(10)

Year	Population(crores)
1901	23.84
1911	25.21
1921	25.13
1931	27.9
1941	31.87
1951	36.11
1961	43.92
1971	54.82
1981	68.33
1991	84.34
2001	102.7

3. Prepare a residual map showing the regression of percentage of Irrigation intensity and percentage of cropping intensity for the following C.D blocks of Birbhum District. Interpret the map. (8+2=10)

Sl. No.	C.D. Block	Irrigation Intensity (in %)	Cropping Intensity (in %)
1	Suri-I	51.11	122.88
2	Suri-II	69.33	179.15
3	Sainthia	70.60	168.67
4	Dubrajpur	51.29	130.55
5	Khoyrashole	48.42	116.38
6	Rajnagar	37.50	106.38
7	Md. Bazar	43.41	115.66
8	Bolpur	71.26	169.88
9	Illambazar	73.46	149.52
10	Labhpur	76.49	151.66
11	Nanoor	79.61	172.35
12	Mayureswar-I	75.11	174.49
13	Mayureswar-II	45.71	205.59
14	Rampurhat-I	63.02	132.58
15	Rampurhat-II	66.93	187.32
16	Nalhati-I	51.21	155.51
17	Nalhati-II	68.13	212.70
18	Murarai-I	44.69	182.30
19	Murarai-II	78.45	174.62

4. What is the importance of Clinometer? Prepare a tourist survey schedule. (2+8=10)
5. Lab Notebook and Viva-voce. (5+5=10)

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