

KANYASHREE UNIVERSITY

M.A. / M.Sc. 2nd Semester Examination-2022

Subject: Geography

Course-CC 212

Quantitative & Field Techniques

Full Marks-50

Time-2.00 Hours

[Answer **all** the following questions]

1. Draw the exponential growth curve from the given data and predict the population of 2011. (8+2)

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

2. Compute and draw a Lorenz curve to show concentration of scheduled tribe population of selected blocks of Nadia District in 2001. Interpret the curve. (8+2)

Sl.No	C.D.Block	Total Population (2001)	Schedule Tribe Population (2001)
1	Chapra	272289	767
2	Krishnagar-I	280386	14199
3	Krishnagar-II	124159	1658
4	Nabadwip	121807	1466
5	Krishnaganj	133359	8179
6	Hanskhali	260969	6922
7	Santipur	217318	8069
8	Ranaghat-I	207394	3165
9	Ranaghat-II	330243	12514
10	Chakdah	362983	18117

3. Draw a residual map concerning spatial distribution of crop intensity of Birbhum District and interpret.
(8+2)=10

Sl. No.	Name of Blocks	Area under irrigation in km ² (2011)	Cropping intensity in % (2011)
1	Murarai-I	54.9	164.4
2	Murarai-II	63.0	104.1
3	Nalhati-I	96.9	151.1
4	Nalhati-II	148.6	235.3
5	Rampurhat-I	114.2	119.2
6	Rampurhat-II	190.0	163.5
7	Mayureswar-I	166.9	115.3
8	Mayureswar-II	228.6	197.4
9	Mohammad Bazar	109.1	84.1
10	Rajnagar	12.7	96.6
11	Suri-I	19.7	75.9
12	Suri-II	112.9	156.6
13	Sainthia	257.6	221.3
14	Labpur	200.6	121.0
15	Nanoor	60.0	139.7
16	Bolpur	183.3	93.7
17	Illambazar	96.4	113.6
18	Dubrajpur	107.6	59.1
19	Khoyrasol	53.1	43.2

4. What is bio-diversity register? Prepare a bio-diversity register based on observation method.
(2+8=10)
5. Lab Notebook and Viva Voce. (5+5)
