

2020
KULTALI DR. B. R. AMBEDKAR COLLEGE
2nd SEMESTER
Paper – GEO-A-CC-2-03
HUMAN GEOGRAPHY
Full Marks – 45
Internal Examination

Answer any one question

- 1) Define human geography. Write a short note on concept of human geography.5
- 2) What are the causes for the growth of compact settlement?5

Theory

Answer any two questions

- 3) Briefly describe the racial classification of India.10
- 4) Discuss the theory of demographic transition model with merits and demerits.10
- 5) Critically analysis the multiple Nuclei model. What is C.B.D? 10

Answer any one question

- 6) Distinguish between population pyramid of developed and developing countries.5
- 7) Write a short note on measurement of population growth in India.5

Practical

- 1) Draw a suitable diagram for measurement of arithmetic growth rate of population (table-1) of west Bengal (1991, 2001, and 2011) and interpret it. 15

Name of the districts	1991	2001	2011
Bankura	2805065	3192695	3596292
Bardhaman	6050605	6895514	7723663
Birbhum	2555644	3015422	3502387
Darjilling	1299919	1609172	1842034
Howrah	3729644	4273099	4841631
Purulia	2224577	2536516	2927965
Uttar Dinajpur	1897045	2441794	3000849
Maldah	2637032	3290468	3997970

2020
KULTALI DR. B. R. AMBEDKAR COLLEGE
2nd SEMESTER
Paper – GEO-A-CC-2-04
THEMATIC MAPPING AND SURVEYING
Full Marks – 45
Internal Examination

Answer any one questions

1. Differentiate between land use and land cover map. 5
2. Define true dip, apparent dip and strike. 5

Theory

Answer any two questions

3. What is surveying? Describe the different types of surveying. 2+8
4. Calculate RL and draw the profile AK on a suitable scale. 6+4

Stations	Distance (m)	Staff Reading			Remark
		BS	IS	FS	
A	0	2.105			BM at D=10.00 m
B	3		1.505		
C	6		2.355		
D	9	1.650		0.950	
E	12		2.105		
F	15		3.525		
G	18		3.050		
H	21		2.500		
I	24		3.80		
J	27		2.500		
K	30			2.100	

5. Determine the horizontal distance by Stadia method and calculate the height of the tower (Base Accessible) on the basis of the following Field Book. 10

Instrument at	Object	Face	Staff Reading (m)			Vertical Circle Reading		Mean Angle	Remark
			US	MS	LS	VC	VD		
A	P(Top of the Tower)	Left	1.80	1.55	1.0	21°30'	21°30'	21°29'	BM of the Base of the object=20 m
		Right	1.80	1.55	1.0	21°30'	21°28'		
Mean Staff Reading			1.80	1.55	1.0				

Answer any one question

6. Mention the necessary equipments in Traverse Survey by Prismatic Compass. 5
7. Write a few words on NATMO, NBSSLUP, Bhuvan. 5

Practical

Following Readings of ABCD Closed Traverse have been obtained from Prismatic Compass Survey. On the basis of obtained data-(i) Prepare a Proper Field Book (ii) Calculate the corrected Bearing (iii) Plot the Traverse on a suitable scale (iv) Correct the closing error by Bowditch Method. 4+2+6+3

Line	Length in meter	Observed Bearing		Remarks
		FB	BB	
AB	7.00	203° 15'	24° 30'	This survey was conducted Anti-clockwise.
BC	6.00	154°	334°	
CD	8.00	63° 30'	243° 30'	
DA	8.43	324° 45'	143° 30'	