

WEST BENGAL STATE UNIVERSITY

B.A./B.Sc. Honours 2nd Semester Supplementary Examination, 2021

GEOACOR04T-GEOGRAPHY (CC4)

Time Allotted: 2 Hours Full Marks: 40

The figures in the margin indicate full marks.

Candidates should answer in their own words and adhere to the word limit as practicable.

All symbols are of usual significance.

CATEGORY-A

	Answer any one question from the following	$10 \times 1 = 10$
1.	What do you mean by socio-economic maps? Which types of data are used for such maps? Discuss five ways of representation of socio-economic data in the form of maps.	2+3+5
2.	Why do the geographers need to learn and use various instrumental survey methods? Which type of base map is suitable for the preparation of land use maps and why?	6+4
	CATEGORY-B	
	Answer any four questions from the following	$5 \times 4 = 20$
3.	What is the difference between diagram and map? Give examples to substantiate your answer.	5
4.	When should you use logarithmic scale for graphical representation of geographical data? What do you mean by characteristic and mantissa in logarithm?	3+2
5.	What is meant by rounding off numbers? What is the practical purpose behind it?	3+2
6.	Define bearing. Distinguish between magnetic and true bearing.	2+3
7.	Which type of data can be represented in choropleth maps? What are the disadvantages of such maps?	3+2
8.	Distinguish between isopleth and choropleth maps.	5
9.	Distinguish between base-accessible and base-inaccessible methods in theodolite survey.	5

CBCS/B.A./B.Sc./Hons./2nd Sem./GEOACOR04T/2021

CATEGORY-C

	Answer any five questions from the following	$2 \times 5 = 10$
10.	Convert whole circle bearing to reduced bearing when the readings are 233°30′ and 104°40′.	2
11.	Why do we use magnetic bearing in prismatic compass traversing?	2
12.	Calculate the log value of 523980.	2
13.	Convert the following values into scientific notation: (i) 5360000, (ii) 0.0000025	2
14.	Why do we call proportional circles proportional?	2
15.	What is vernier constant?	2
16.	Why do we prefer sphere to represent urban population?	2
17.	How do we spread dots to represent rural population within an administrative unit?	2
18.	Mention the two methods of checking the Reduced Level in Dumpy Level Survey.	2

N.B.: Students have to complete submission of their Answer Scripts through E-mail / Whatsapp to their own respective colleges on the same day / date of examination within 1 hour after end of exam. University / College authorities will not be held responsible for wrong submission (at in proper address). Students are strongly advised not to submit multiple copies of the same answer script.

___×___

2067 2

CBCS/B.A./B.Sc./Hons./2nd Sem./GEOACOR04T/2021

	Million II	1000	-							all to a			M	esa.	Diffe	FREE	ni.		
B	0	1	2	3	4	5	6	7	8	9	1	2	3	4	5	6	7	8	9
00	1000	Innas.	soout.	10050	10003	10116	10139	10162	10186	10209	,	5	7	9	12		16		
61	10933	10257	tozilo	10104	10125	10351	10375	10399	10423	10447	12	5	7	10	12	14	17	19	21
02	10471	TOJOE	Inten	20544	10168	10593	10617	10641	10000	10091	12	5	7		12		17	20	21
08	FRATE	BOT AT	20754	10750	10814	10830	10004	Q5501	10914	10940	3	5	8		13			10	
04							11117					5		VAG:		1020	172		(2)
05	11220	11246	11272	11298	11324	11350	11376	11402	11429	11455	3	5	8		13			21	
96	11482	11508	11535	11551	11588	11614	11541	11668	11095	11722	13	5	8		13			21	
07	11749	11776	11803	11830	11858	11885	11912	11940	11997	11995	13	5	8		14			22	
08 09	110083	12050	12078	12100	12134	12102	12190	12210	12511	12560	3	6	9		14			23	
1001										1000	1-	6	- 55	155	15	-0.2		24	
10	12589	12618	12047	12077	12700	12735	12764	12794	13122		13	6	9		15			24	
11	12852	12912	12942	12972	13004	13332	13366	11107				6	0		15			25	
12		13521	12552	1118	13614	11040	13577	13709	13749	13772	13	6			16			25	=1
14		13836	13868	13900	13932	13964	13996	14028	14000	14093	13	6	10		16			26	2
15	13055533	14158	100701.919	14223	SHAME	CUDS A		14355	14388	14421	13	7	10	11	16	20	23	26	3
16	14-54	14488						14689	14723	14757			10	11	17	20			
17	14791	14825	14859	14894	14928	14962	14997	15031	15066	15101	13	7			17	21	24	28	3
18	15136	15171	15205	15241	15176	15311	15346	15382	15417	15453	14		11		18				
19	15488	15524	15560	15596	15631	15008	15704	15740	15776			7	11		18		100		3
20		15885		15959	15996	16031			16144		4	7	11		18				
21							16444	16482	16520	16558		8	11	1	19				
22 23	10590	16634	10072	10711	10749	16788		16866				9	12		19	23	28	31	3
24		17418			17530	17579	17319	17660	17701						20			32	
25	0.5750	222	100000	100,075	THE TOTAL	10000			18113					1	21	1100		33	
20		17824	17865				18450								21				
27	18621	18664	18707	18750	18703	18895	18880	18921	18961						22				
28	19055		19143		19231		19320					9	13	15	22	26	31	35	4
29	19498	19543	19588		19679	19724	19770	19815	19861	19907	1 3	9	14	12	23	27	32	36	4
30	10051	19999	20045	10001	20137	20184	20230	20277	20324	20370	15	9	14	19	23	28	32	37	4
81	20417	20454	20512	20559	20506	20554	20701	20749	20797	20845	5 5	10	14	119	24	29	33	38	4
92	20803	20941	20080	21038	11086	21111	21184	21232	21281	21330	15	10	15	4.85	24	29	34	39	4
88	21380	21429	21478	21528	21577	21627	21677	21727	21777	21527	1 5				25				
84	21075	11918	21979	22029	100000		22182	100000			-		963	100			132	41	
35	22387		22491	22542	22594	32646	22699	22751	22803	22856	15	10	16	21	26			42	
86 87		23961					23227											43	
85	23442	23496	23550	23005	13059	23774	24330	23023	23070	23933	12	**	10		27	33	30	44	5
82	24547	24604	24550	84717	24774	34831	23889	24946	25003	25061	6	11	17	21	29	14	40	46	5
40	10000			10000			25458	A 1977.00	1000	1					29	255		47	
41	25704	25177	25823	25882	25542	35000	25062	20122	20182		16	12	18		30			48	5
42	26303	25353	26424	26485	26546	25602	25560	25730	26792									49	
48		25977			27164	27227	27290		27416									50	
44		27606			27797			27990		28119					32		45		5
45	25184	25249	28314	28370	28445	28510	28576	28642	28708	28774	12	11	20	100	33	022	46	57	5
-65	28540	28907	28973	29040	29107	29174	29242	29309	29376	29444	17	13	20	27	34				
47	29512	29580	29648	29717	29785	29854	29923	19992	30061	30130	17	14	21	28					
18	30300	30159	30339	30409	30479	30549	30620	30040	30761	30872	17	14	21	28	35	42	49	56	6
49	30903	30974	31046	31117	31189	31261	31333	31405	31477	31550	17	14	22	29	36	43	50	58	6

	0	1	2	3		5	8	9	8	9				Mira	o Dist	Permi	10.		
								1.			1	2	3	4	5	6	7	8	9
10	00000	00433	00860	01284	01703		02531	02938	03342	03743	48		127		212		297	339	
11	04130	04532	04922	05308	05690	1000	06446		The state of	1	37	77	110	154	193	232	270	300	34
12	07918	08279	08636	c8991	09342	09691			160	11000	36	71 68	100	142	177	213	248	284	31
18	11394	11727	12057	12385	12710	13033	13354			14301	133	66	98	131	164	197	Political	263	29
14	14613	14922	15229	15534	15836	16137	1		-	17319	30	77:25	91 88		152	183	213	244	27
15	17009	17898	18184	18469	18752		19312		No.	20140	48	57	85 81	114	142	171	199	228	29
16	20412	10683	20951	21219	31484	21748		22272	end-inac		27	53	80 78	107	134	160	187	214	24
17	23045	13300	23553	23805	24055	24304	24551	24797	north Rea	approximate and	26		76	101	126	151	176		22
18	25527	25768	26007	26245	26482	26717	-	27184	-	27646	24	48	71	95	119	143	107	190	21.
19	27875	28103	28330	28556	28780	29003		29447	20667		23	45	68	90	113	135	158	180	20
20	30103	30320	30535	30750	10961	31175	-	31597	11806	-	-	-	64	0.0	106	2072	1000	170	-
H1 200	32222	32428	32634	32838	33041	33244	33445	33646	33846	34044	20	41	61		101			162	
21	30173	34439	34035	34830	35025	35218	35411	35603					58	77		116	135	154	174
24		38202	15352	15501	38739	35017	37291	37475	37658	37840		37	56	74		111	130		107
25	500000000000000000000000000000000000000	39967		070 / TENANS	C. C. C.		- CONTROL	The same	10000			35	53	71	235		124		1 59
26		41004			40483	42125	40824	40993	41162	41330		34	51	68		102	119		15
27		43297	43457	43616	43275	43933	44091		44404			33	49	63	82	98	111		142
28	44710	44871	45025	45179	45132		45037		45939	46090			16	61	76	95	107		H
20	46240	46389	46518	46687	46835		47129		47422		15		44	59	74	88	103		131
30	47712	47857	48001	48144	48287	48430	48572	48714	48855	48996		20	43	57	72	86	100	114	
31	49136	49276	49415	49554	49693	49831		50106		50379			41	55	69	83		110	
32	50515	50650	50786	50920	51054	51188		51455	51587	51720			40	54	67	80		107	
38 84	51851	51983	52114	52244	52375	52504		52763		53020	13	26	39.	52	65	78		104	117
75	53140	53275	53403	53529	53050	53782	53908	54033	54158	54283	13	25	39	50	63	76	88	101	113
35	54497	54531	54654	54777	\$4900	55023	55145	55267	55388	55500	12	24	37	49	61	73	80	08	110
86	55030				56110		56348		56585	50703	12		36	48	60	71	81		107
17	56820		57954		57287		57519		57749		12		35	46	58	70	81		LON
18	57978		58206	58320	58433	58546	58659	58771	58883	58995	11		34	45	57	68	79		100
100	59106	59218	59319	59439	59550	59660	59770		59988	60097	11		33	44	55	66	77	88	99
0	60206	60314	60423	60511	60618	60746	60853	60050	61066	61172	11	21	32	43	54	64	75	86	97
11	61278	61384	61490	50216	91700	61805	610001	62014	62118	62221	10		31	42	53	63	75	84	97
12	02325	62428	62531	62634	62717	62830	62941	63041	61144	63245			31	41	51	61	74	82	95
P2 1	03347	03448	53548	63540	51749	61849	61949	64048	64147	64240	10		30	40	50	60	70	80	90
4	64345	04444	64542	64640	64738	64836	64933			65225	10		20	39	49	59	68	78	82
	65321																	1	
	66276	65770	3514	660	65706		65896				10		29	38	48	57	67	76	BI
	67210	67303	(or you	57.86	50052	69745	66839	00932	07025	07117	9		28	37	47	50	65	74	B.
8	68124	S315 6	18 and	68205	58.90	6949	07701	07852	07943	08034	9 1		27	36	46	55	64	73	8:
	69020	80100	otor	60286	50173	60461	10000	00753	00042	00931	9 1		27		45	53	63	72	81
															44	53		70	

		1	2	3		5	8					Man Differences.										
		1	2	3	1.	0		1		1	1						7					
50										31185	2	15		29	37 38	44	51	59	6			
51 52					32659						1:	15		30		45	53		6			
58					33410			14415					24	31	39	47	54 55	61	7			
54					34995			35237	35318	35400		16		32	40	45	56	65	7			
5	35481	35563	11645	35727	35810	14802	35975	16058	36141	36224	8	16	25	33	41	50	58	66				
58	36308	36393	35475	36559	35544	30728	36813	36898	36983	37068	8	17	25	34	42	51	59	68	7			
57	37154	37439	37325	37411			37670			37931		17		35	43	52	61	69	7			
58 59	38010	18004	38194	30174			38548		387#6 396#8	38815		18 18		35	44	53	61	71	8			
0	30811	20020	7560 T	S 322	40179		177-67-011P	100000000000000000000000000000000000000	The second	100000		19	950	1200		14533	65	-	8			
11					41115							19		37 38	45	56 57	66	74 76	8			
12	41687	41783	41879	41976	42073	42170	42257	42364	42402	42550	10	19	29	39	49	-58	58	78	8			
68	42058	42750	44855	42954	+3053	43152	43251	43351	43451	43551	10	20	30	40	50	60	70	So.	-			
201	145346743		43553	0.000		100	27-40	10000000		44566			5000		51	61	71	81				
88										45504					52	62	73	#3	9			
17	45774	45014	45920	470020	40132	40236	40345	47514	40559	46666	11	21	32	43	53	65	75	85	96			
18	47863	47973	48084	48195	4830h	48417	48510	48541	48753	48865	11	22	33	45	55	67	78	80	10			
19	48978	49091	49204	49317	49431	49545	49659	49774	49888	50003	11	23	34	45	57	68	80	gt	10			
0	50119	50234	50350	50466	50582	50699	50816	50933	51050	51168	12	23	35	47	58	70	82	93	to			
71	51286	51404	51523	51642	51761	51880	\$2000	\$2119	\$2240	52360	12	24	35	14	50	72	84		10			
72 78	52451	52002	52723	52845	52906	5,3058	53211	53333	53450	\$1580	12	24	37		61	73	85		110			
14	54954	\$5081	55208	55310	55463	54345	55710	\$5847	55976	54828 56105	13	25	겳	50	63	75		100				
5		56364			36754					57412	135.53		553	500	66	22537			23			
16	57544	57077	57810	57941	45076	£8210	28245	13479	¢3614	68740	12	27	461	52	67	79		105	121			
77	58884	59020	59:56	59293	59429	59556	59704	59841	59979	60117	14	27	41	53	69	82		Tto.				
8	60050	60395	00534	60674	00514	60954	61094	61235	61376	61518	14	28	43	50	70	84			126			
15										62951				58	72	56	101	11122	130			
0	63096	55241	63387	63533	63680	63826	63973	64121	64269	64417	15	29	44	59	74	88	tol					
12	66069	00222	66174	66627	56681	05313	55454	67143	67700	67453	15	30	12	00	7.5	90	105	123				
18	67608	07704	67910	68077	58234	683011	63549	68707	6586¢	59094	15	22	42	61	77	95	110					
14	69183	69343	69303	69663	69823	69934	70145	70307	70469	70632	16	32	48	64	81	97	113					
8	70795	70058	71121	71285	71450	71614	71779	71945	72111	72277	17	13	50	66	81	96	116	131	140			
17	72444	72611	74278	72940	73114	73282	73459	73521	13790	73961	17	34	51	68	85		118	135	152			
8	25858	75071	76208	74045	75550	74989	75102	75336	75500	75683	17	35	52		87		121		156			
15	77625	77804	77983	78163	78343	78524	78705	78856		79350	18	15		71. 78		100	127		161			
0	79411	79616	79790	70081	80168	Boyes	Sot 18	900 14	Anne	Brook			-	74		1000	130	1910	160			
1	21.19	81470	51558	81545	S2015	S2224 .	82214	\$2604 ·	Sarae	Ranke	15	- 8	241	74	91	111	132					
2	0.3170	4 (100)	\$11bo:	53751	5.1040	84140	Section 1	Sec. 2	Remark	SIBIRE	**	-	400	78	97	116	136	155	175			
13	85114 87090	87207	55507 57408	85704	33001	00006 88107	80108	86497	50696	868gé	20	40	60	79			139					
5															102	110	142		135			
6	9175	01411	00530	DIA:	09950	90157	20106	90573	90781	90991	21	12	62		104		146		187			
n	93725	0.5541	947.50	01072	04150	04406	DARTA	Baller	ATAMA!	ALC: See	54	4.0	Mar ?	86	901	0.000	152	247	191			
18														80	111	111	155	178	200			
9 ,	97724	97949	98175	98401	98048	95855	99081	99312	50141	99770	23	46	68	01	114	137	100					

_				_								0 1 2 8 4 5 5 7 8 9 Mon Difference														
	0	1	2	8	4		6	7	8																	
					100						12	2	L		B		7	8	L							
50	69897	60984	70070	70157	70843	70339	70415	70501	70586	70674	9	17	86		45	52	60									
61		70842			71096			71349		71517	B	17	25	34		30		整								
53 54		71004			71933			72181	Tanda	72340	Iŝ.	:7	23	32	45	\$0 40		66								
14		71509			79754 73560		73719	7.1799 7.1799	73075	73957	lä.	16	24		40	48	器	H								
-	37.0	73336	12000000000	10500350	10000000	100 miles	(F)(757, 3573)	\$500 PASS		F05220000000			1000	MTG:	350	3769	History									
56	74036		74194	74#73 75051	74351	74479		74586	74663	74741			23		39	47		63								
17	74519	74896 75664	74974 75740	75031			75202	75558 76118	75435	76268		15		10	35	45	51									
CB		70418	75403	76567			26200	76864		77012					37			45								
50	77085		77232	77305		77453		77592		77743				29	37	44	51	3ñ								
10		77887	77960	0.000	200000000000000000000000000000000000000	78176	5000000	78319	78190	78462	,	-	**	29	36	43	60	48								
11		78004	78675		78817			79039		79109	2	14			36	43	50									
32		79309			79518			79717		79865				根	35	41	100									
18		80003			80209		80346	Bi1414	80481	80350					34			54								
34	80018	80686	80754	80821	80889	80936	gross	#1090	witte	NOT THE	130	<i>F</i> (8)	30	27	34	和	47	54								
36	81291		81425		81558		81690	81757	Biffey.	81889	7	13	90	26	33	40	46									
16		82020				84184	52347	52413	R2475	82543	7	73	20		蘇	32	46									
17 18	82607	82672		82802	84866	81930	61995	83059	63123	83187					32	塘		51								
19	83251 83885	833:5	83378		84136		83032	83696 84323	84186	Berek	2	12	19	25	33	38		50								
150			84011			20200			200	2000	200			0059	3000	1733	100	2025								
71	84510	54572	84634		84757			54042						25		37		50								
72		85187 85794	85248 85854		85370		86004	85552	Sorra	86273	lă.	75	13	77												
78	86332	86392	86451		80570		86688	86747	86506	86864	6	11	18			35										
74		86982	87040	87099	87157	87216	87174	87332	87390	87448	6	12	17		29		41									
75	87506	87564	87022	87679	87737	87795	SySen	87910	87967	88024	6	12	17	23	29	15	41	45	É							
76		88138	88195	88252	88309	88366	88423	88480	88536	88503	6	11	17		19	34	40	46	ì							
77		88705			58874		88986	Ядоци		89154					28	34		45								
78 79		80265			89432			89597					17		쾓	33		44								
	59703	81868	89873	89927	89983	90037	7.11	90146	30300	90355	6	**	17	22	28	33	19	44								
30	90309	90363	90417		90526		90034		90741	90795			16		27	32	35	43								
81 82		90902			\$3016			91441	91175	91328	5	11	10	23	27	32		41								
83		91434			91393	91045		91751	91503	91835	13	**	10		35		37	41								
64		92480			92634			91788	92540	gaßgt	ľŝ	10	15	20	26	31		41								
35		93901			93146		10.000	93198	93349	31199	1.	10		20	35	11	16	41								
86		93500			93651			93802		93399					85		15									
87		94002			94151			94300							25			40								
88		94498	94547	94596	94645	94594	94743	94792	94841	94890	3	10	15	80	25	29	34	39								
30	94939	94988	95036	95085	95134	95183	95131	95779	95328	95376	5	10	15	19	54	29	34	39								
90		95472	95531			95665		95761	95809	95856	3	to	14	19	24		34	38								
91		95952	95999		96095		90190	96337	95284				14		24		33									
98		95425			96567				96755	96803			14	19		25		38								
94		95895		97451	97035	97081		97174	97130	97207		9	14		23		23	37								
			1	1000			2000	1			1		17.7				5	5								
96		97818		97909	97955 98498		98046	98091	951 17	98182			14		#3	27	52	35								
97		98722			98856			98989					14		23		31	16								
98			99311					99431					13		23		31									
80		199607											11			26										