			Seat No. :	
			MG-108	
			May-2018	
			B.Sc., SemIV	
			CC-205 : Statistics	
		(5	Statistics Tests, Official Statistics of Sampling)	9
Tim	e: 3	Hours]	[Max. Marks:	70
Inst	ructio		Attempt all questions.	
		(2)	All questions carry equal marks.	
		(3)	Scientific calculator is allowed to use.	
		(4)	Statistical tables will be supplied on request.	
1	(a)	Explain th	ne concept of Statistical hypothesis in detail.	7
1.	(u)	Explaint	OR	,
		Give the	procedure for testing the significance of difference between two means	
			arge sample.	
	(b)	Write no	te on Fisher's information and its use to test the significance of	
		co-efficie	nt of correlation.	7
			OR	
		What do	you mean by test of proportions? Explain the procedure to test the	
		significan	ce of difference between two proportions based on large sample.	
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2.	(a)	Derive the	e equation of plane of regression for three variables.	7
			OR	
		Write a no	ote on variance of Residuals.	
	(b)	State and	prove properties of Residuals.	7
			OR	
	1	Write note	on co-efficient of multiple correlation and state its properties.	
2		E .		
3.	(a)	Explain 1	the role of Indian census operation in planning and development	7

OR

Write a short note on NSSO.

		OR
		Write a detail note on Indian Statistical Institute (ISI).
4.	(a)	Explain principal steps in sample survey.
		OR
		Write advantages and disadvantages of sampling.
	(b)	What are non-sampling errors? What are the factors arise from non-sampling
		error?
		OR
		Give difference between survey and census method. Write importance of survey.
5.	Wri	te answers in brief :
	(1)	Define simple and composite hypothesis.
	(2)	Define critical region.
	(3)	Define partial correlation co-efficient.
	(4)	State full form of CSO and ICMR.
	(5)	Define probability sampling.
	(6)	Define judgement sampling.
	(7)	Define sampling errors.
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No.		

(b) Explain the meaning, origin, purpose and function of the CSO and ICMR.

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