	Hall Ticket Nu	mbe	r:																
ı	Code: 7GC42		,		J				I			,		,			R-17	7	
	II B.Tech	ր. II	Sen	nes:	ter S	upp	olem	ente	ary	Exc	am	ina	tior	is No	over	nbe	er 2023		
							abili		•										
	Max. Marks: 7						nmor										ime: 3 H		
	Answer any fiv	e fu	ll que	estic	ons b	y ch	noosir		1e 0 ****		tior	n fro	m e	ach	unit ((5x1₄	4 = 70 M	arks)	
																	Marks	CO	BL
								NIT-											
1.											al p	orodu	uctio	n an	d ex	port			
	using the follo				ores						59	60	60	62	1				
					es to						39	44	43	45	_		14M	CO1	L3
		P 0	J (-				OR									1-1141	001	
2.	Find the Spea	arma	an's r	ank	corre	elatio	n coe	fficie	nt to	the	da	ta:							
		X:	68	64	75	50	64	80	75	5 4	10	55	64						
		Y:	62	58	68	45	81	60	68	3 4	18	50	70				14M	CO1	L3
					·	·	U	NIT-	II										
3.	State and pro	ve A	Additi	on t	heore	em o	•		ty fo	r thi	ree	ever	nts				14M	CO2	L4
			V I					OR											
4.	A random var	riabie		1 1					-		tion								
			X P(X)	0	1 K	2 2K	3 2K 3	4 3K	5 K ²	6 2K ²	! 7	7 ′K²+l	_						
	Find the value	I	. ,														14M	CO2	L3
	i ina tric vala	C 01	, (II) – v	aidat	o p(c		NIT-I		- vaic	Jacc) P(X	\\ O)				1-1111	002	LO
5.	If a random	varia	able	has	а Р	oiss				suc	ch t	hat	P (1) =	P(2)	find			
	(i) Mean of th													,	. ,		14M	CO3	L2
								OR											
6.	A hospital sy minutes inter- calls in a 10	val.	What	t is t	the p	roba	bility t	hat (i) th	ere	are	at n	nost	2 en	nerge	ncy			
	minute interva		uto i	11101	vai (,	oro ar	07	luoli	, 0	0111	lorge	люу	ounc	u		14M	CO3	L3
							UN	NIT-I	V										
7.		•								iatio	n o	f 5.	Wha	t can	you	say			
	about the ma	ximu	ım er	ror	with 9	95%			∍?								14M	CO4	L4
0	The man Ut			- اميم		O -1-		OR			اء جورو	اعدا	4	4ECL		-ا4ن،			
8.	The mean life	OT 8	a sar	npie	OT 1	u eie	CTIC I	ยนเทร	s wa	s to	una	ιτοκ	JE 14	HOON	Jurs \	with			

S.D of 423 hours. A second sample of 17 bulbs chosen from a different batch showed a mean life 1280 hours with S.D. of 398 hours. Is there a significant

difference between the means of two batches?

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CO4

L4

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UNIT-V

9. In a test given two groups of students, the marks obtained are as follows:

First Group :									41
Second Group:	29	28	26	35	30	44	46	-	-

Estimate the significance of the difference between the mean marks secured by the students of the above two groups.

14M CO4 L4

OR

10. 1000 students at college level were graded according to their IQ and economic condition of their home. Chose an appropriate test to find the any association between condition at home and I.Q.

economic condition	high	low	Total							
Rich	460	140	600							
Poor	240	160	400							
Total	700	300	1000							

14M CO4 L5