B. Tech. Sem -VIII (E & TC Engg.) (2014 COURSE) (CBCS) : SUMMER - 2019

SUBJECT: SATELLITE COMMUNICATION

Day	:	Saturday 25/05/2019	S-2019-2944	Time: 02.30 PM TO	O 05.30 PM
Date	:	23/03/2019		Max. Marks: 60	
N.B.:	1)	All guartia	na ara COMBIII SODV		
	1) 2)	All questions are COMPULSORY . Figures to right indicate FULL marks.			
	3)	Draw neat and labeled diagram WHEREVER necessary.			
	4)	Assume suitable data, if necessary.			
		Assume su	nable data, if necessary.		<u> </u>
0.1	- \	Define leek o	nale and sub-catallite resists		(05)
Q.1	a) b)		ngle and sub satellite point? diagram of satellite commutation sy	stem?	(05) (05)
	D)				(03)
	OR				
Q.1		Explain satell	ite frequency band?		(10)
Q.2	(ه	Evoluin Sub	system with equipment ratability?		(05)
Q.2	a) b)	-	C in satellite?		05)
	~)	OR			
Q.2		Explain attitu	de and Orbit control system (AOCS)	of satellite?	(10)
Q. <u>2</u>		Explain attitu	de and Oron Control System (11005)	or satellite.	(10)
Q.3	a) Write design processor for satellite communication using TTCM syst		· ·	(05)	
	b)	Explain in she	ort uplink and down link attenuation?)	(05)
		OR			
Q.3		Design process of with SNR and G/T ratio?		(10)	
Q.4	a)	What do you	mean analog transparent switching?		(05)
Ų.Ŧ	b)	•	racteristic of satellite networks?		(05)
	~)	OR			
Q. 4		Explain on bo	pard concavity with transparent proce	ssing?	(10)
Q.5	a)	Describe free	quency consideration for satellite syst	em ⁹	(05)
Q.S	b)		and throughput for satellite system?		(05)
	,	OR			
Q.5		Describe Non	-GSO satellite design?		(10)
۸.۰		2 5501150 1 (011	and a summing a surpline		(==)
Q.6	a)		ition in satellite?		(05)
	b)	Explain the w	orking DBS-TV receiver?		(05)
		OR			
Q.6		Describe in Sa	atellite radio broad Casting?		(10)

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