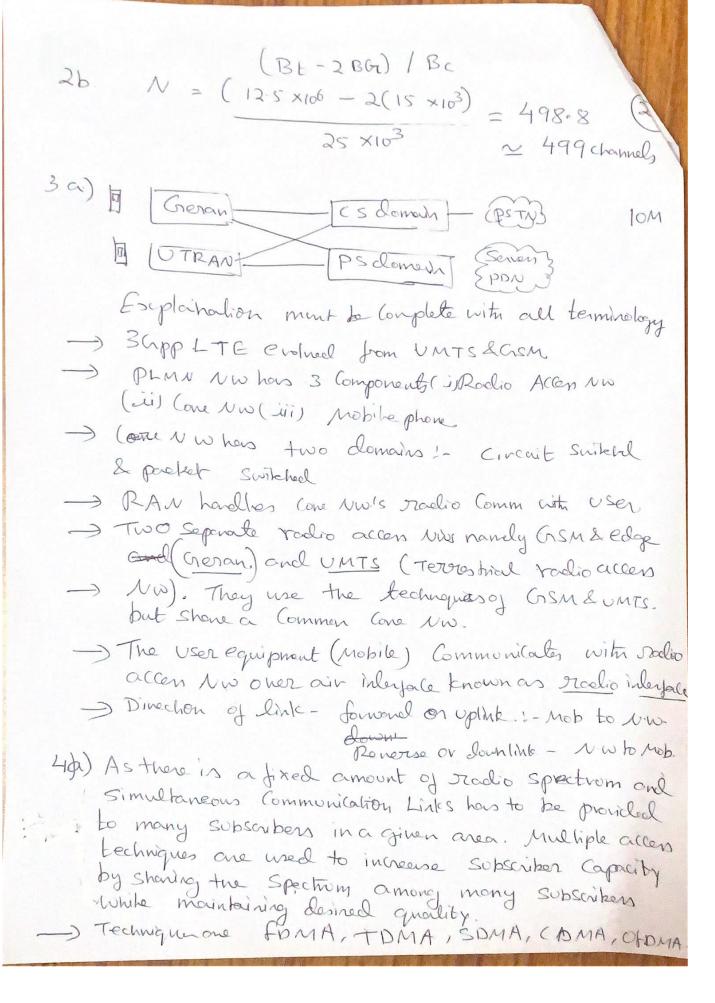


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The Division of	(Accredite	ous Institute Affiliated to VTU, Approved by AICTE & IS d by National Assessment & Accreditation Council (NA	AC) with 'A' grade )		
Date of test: 311122  Day: Monday  Branch: E and C  Semester: 7 H  Section: AL  Timings: 1115-12-45  Test Duration: 1½ Hrs.			Max Marks:	50.	
				Sub Mentor: Dv   CoShook Sub Mentor Sign:   M Staff i/c of sec: Staffs i/c sign:	
		Internal Test CIE-			
			HOD Name : Dr. TCM		
		Test Solutions HOD's sign:			
Q. No.	Test	question paper solutions with st	eps	Marks Allocation	
1. 0	AMPS			10	
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3Gpp OFDMA FUMAL FOR Concept 824MH2 uplinic Spec wom Ch. Bw. 30KH2 Downlink 869MH2 Explanation 30KH2 Ch.Bw. FOMALFOR



Test question paper solutions with steps	Marks Allocation
Ab) Diagram of of D.M.  Data distributed over multiple Courses.	4
SubCarriers are orthogonal.  SubCarriers are orthogonal.  Spsp of each each subcarrier will occur at point while the other subcarrier powers will be zero. So minimal interperance beth subcarriers.  Texplanation of fig.  Modulation by & psk.  Acta Trousmitted in bursts each bust having Cyclic Prefix a data symbols.  Cyclic Prefix absorbs tronsients from Previous bursts Caused by multipath.  Resulting waveform is not a finction of any sample from previous bursts.	6
5) 2 Diagrams of the Evolution from GSM &CDMA  Explanation	S 5
6) fig Showing evolution from GSM & UMTS EO LTE with full expandion	4
DEPC (evolved pricket (one) replacement of  Pricket Smikhod domain.  Epc dishibutes dishibutes user voice &  data using pocket Smikhing.  Orsm & upits used pricket Smikhing only  fordata.  Voice using VoIp.  DE-BITRAN handles Epc Toolio Comm with mobile  replacing UTRAN.  Designed as two 36pp work I tomi	6

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Q. No.	Test question paper solutions with steps	Marks Allocation
	(i) System crehibetisme Evolution (SAE) which	
	(ii) Covers (one NW.  LTE Coveres Radio N.W, air inleface & mobile,  Whole System is Called Eps.  LTE refers to evolution of air inleface  setLTE is more popularly used & Colloquia as the whole System.	lly 5
	LTE advanted  Peak data rate - 1000Mbps. dainlink  Soombps uplink  designed to deliver 3000 to 1500 Mbps.  Total BW of 100 MH2, made into 6 Components  Of 20 MH2 each.  Spechal ellicency 3:5 to 6 times greater on then that of down link.  LTE & LTE advanced are Compatible & the  Con operate with the escipting Base Station.	
71	Reportable 1.5	5