I M.Tech - II Semester - Regular Examinations – AUGUST 2016 EMI / EMC (MICROWAVE & COMMUNICATION ENGINEERING)		
1. a) Write a note on frequency spectrum conservation.	7 M	
b) Explain different mechanisms of EMI Generation.	7 M	
2. a) Differentiate between Manmade and Natural sources EMI.	s of 6 M	
b) Explain Electro Static Discharge (ESD) and Electromagnetic Pulse (EMP).	8 M	
3. a) Explain OATS measurements.	7 M	
b) Explain the effect of non linearities in the circuits.	7 M	
4. a) Explain the need for EMI measurements.	7 M	
b) Write a note on anechoic chamber.	7 M	

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5.	a) Explain conducted EMI.	7 M
	b) Write a note on role of EMI filters.	7 M
6.	a) Explain the role of isolating and neutralizing transform	ners. 7 M
	b) Describe the mechanism of emission and coupling in cabling.	7 M
7.	a) Give the expression for effectiveness of shielding, Nea	ar and
	far field impedances.	7 M
	b) Write a note on characteristics of good bonds.	7 M
8.	a) Give the equivalent circuit of a capacitor under EMI.	7 M
	b) Write a note on military and civilian standards of EMI	[. 7 M