Code: 17ECMC1T6A

Duration: 3 hours Answer the following questions.	Max. Marks: 60	
1.a) Define EMI, EMC, Intra and Inter syste	em EMI. 8 M	
b) Discuss about Radiation hazards to Hun (OR)	mans. 7 M	
2.a) Explain the classification of electromagnetic environment.		
	8 M	
b) Explain Electromagnetic Pulse.	7 M	
3.a) Discuss the various types of coupling so in Electromagnetic environment.b) Explain the effects of Radiative coupling environment.	8 M	
(OR)		
4.a) Discuss about emissions related to cable	es and their	
Coupling.	8 M	
b) Write about Automotive transients.	7 M	

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EMI/EMC

(MICROWAVE & COMMUNICATION ENGINEERING)

5.a) Explain Basic Properties of EMI Filters.	
b) Explain the effect of EMI Filter Placement for Conduc	cted
Susceptibility.	8 M
(OR)	
6.a) Explain the working principle of Shielding.	7 M
b) What is Gasketting and sealing?	8 M
7.a) List out EMC regulations and explain the need for	
	7
regulations.	7 M
b) Compare FCC and CISPR conducted emission limits	for
Class A and Class B digital devices.	8 M
(OR)	
8.a) Explain the construction details of the Shielded Anech	noic
chamber.	8 M
b) Write about Line Impedance Stabilization networks.	7 M