



17	a) Explain electronic polarization & derive electronic polarizability? b) What is ferro electricity? Write the applications of ferro electric materials.	[5M] [5M]
	OR	
18	a) Derive internal fields in dielectric medium? b) What is Clausis-Mossotti relation? Derive it.	[5M] [5M]
19	a) Write the classification of dia, para, ferromagnetic material? b) Write the applications of super conductivity.	[5M] [5M]
	OR	
20	a) Explain hysteresis curve based on domain theory. b) Write a note on soft & hard magnetic material.	[5M] [5M]