

A	State Biot-Savart's law and using it find B for a current carrying straight conductor	7
B	Compare the properties of Para and Dia magnetic materials	7
Q-6	Attempt all questions	(14)
A	Explain in detail Ferro magnetic materials	7
B	Explain energy loss due to hysteresis.	7
Q-7	Attempt all questions	(14)
A	Write and explain the Equation of continuity of current.	7
B	Explain transverse nature of Electromagnetic waves.	7
Q-8	Attempt all questions	(14)
A	Explain the term Poynting's Vector in detail	7
B	Explain the energy density in electromagnetic field.	3
	Explain the Maxwell equation briefly.	4

