

Q-5	Attempt all questions	(14)
	(i) Explain the Biot-Savart's law and its applications-straight conductor.	7
	(ii) Explain briefly Hall Voltage and Hall coefficient	7
Q-6	Attempt all questions	(14)
	(i) What are Paramagnetic materials? Explain with example.	7
	(ii) What are diamagnetic materials? Explain with example	7
Q-7	Attempt all questions	(14)
	(i) Write and explain the phenomenon of magnetic induction.	7
	(ii) State and explain Ampere's circuital law	7
Q-8	Attempt all questions	(14)
	(i) What is Electromagnetic wave? Explain transverse nature of EM waves	10
	(ii) What are Maxwell equations?	4

