



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

