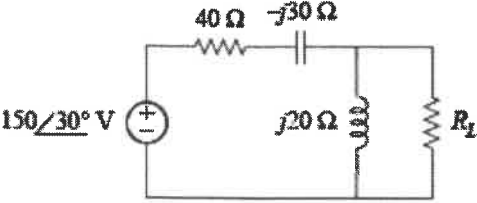


OR

14	<p>Find the value of <math>R_L</math> that will absorb the maximum average power for the circuit shown in Figure 2. Calculate that power. [10M]</p> <div style="text-align: center;">  </div> <p>Figure: 2</p>
15	<p>Explain the V-I characteristics of P-N junction diode and its applications. [10M]</p>
OR	
16	<p>Explain SCR operation with V-I Characteristic. [10M]</p>
17	<p>Explain Full wave rectifier with neat diagrams. [10M]</p>
OR	
18	<p>Explain the Bridge rectifier with neat diagram. [10M]</p>
19	<p>Determine the h-parameters from the characteristics of BJT in CB configuration. [10M]</p>
OR	
20	<p>Draw the h-parameter equivalent circuit of BJT in CC configuration. Derive expressions for <math>Z_i</math>. [10M]</p>