www.rgpvonline.com www.rgpvonline.com http://www.a2zsubjects.com [2] 6. Draw the switching characteristics of an power diode and explain. 7. Draw the circuit diagram of a Wein-bridge oscillator using opamp, and derive the expression for frequency of oscillation. 8. Answer any four of the following: What is the function of a bleeder resistor explain with diagram. What are the various turn-on methods of an SCR? Describe any one of them.

How power transistor is different from a ordinary transistor? Draw the circuit diagram of an integrator using op-amp.

List industrial applications of PLC.

Write relative ments and demerits of PLC over conventional relay controllers.

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Compare power transistor with power IGBT.

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