

ASSIGNMENT: 5 IMPORTANT QUESTION ON DC MACHINE

- 1. Draw the schematic diagrams and explain the winding connections for the short shunt and long shunt compound generators.
- 2. Briefly describe the voltage build up process of a self excited DC shunt generator.
- 3. Briefly explain the concept of electrical degree and mechanical degree in case of rotating machines.
- 4. Draw the schematic diagram and explain the solid state speed control (Speed control using power electronic switches) of DC motors.
- Explain the power flow diagram of a DC machine.
 Draw and explain the internal characteristic of a DC shunt generator.

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