**7.2 Speed Control Methods for a DC Motor (4 Marks)**

**1. Varying the Field Current (Field Control Method):**  
Using a **variable resistor (rheostat)** in series with the field winding reduces field current, weakening the magnetic field and **increasing speed**.

* Used in **shunt motors** for speeds **above** rated speed.

**2. Varying the Armature Voltage (Armature Control Method):**  
Using a **variable DC power supply** or **DC drive** to adjust armature voltage.

* **Lower voltage** = **lower speed**.
* Used in **shunt and compound motors** for fine speed control **below** rated speed.