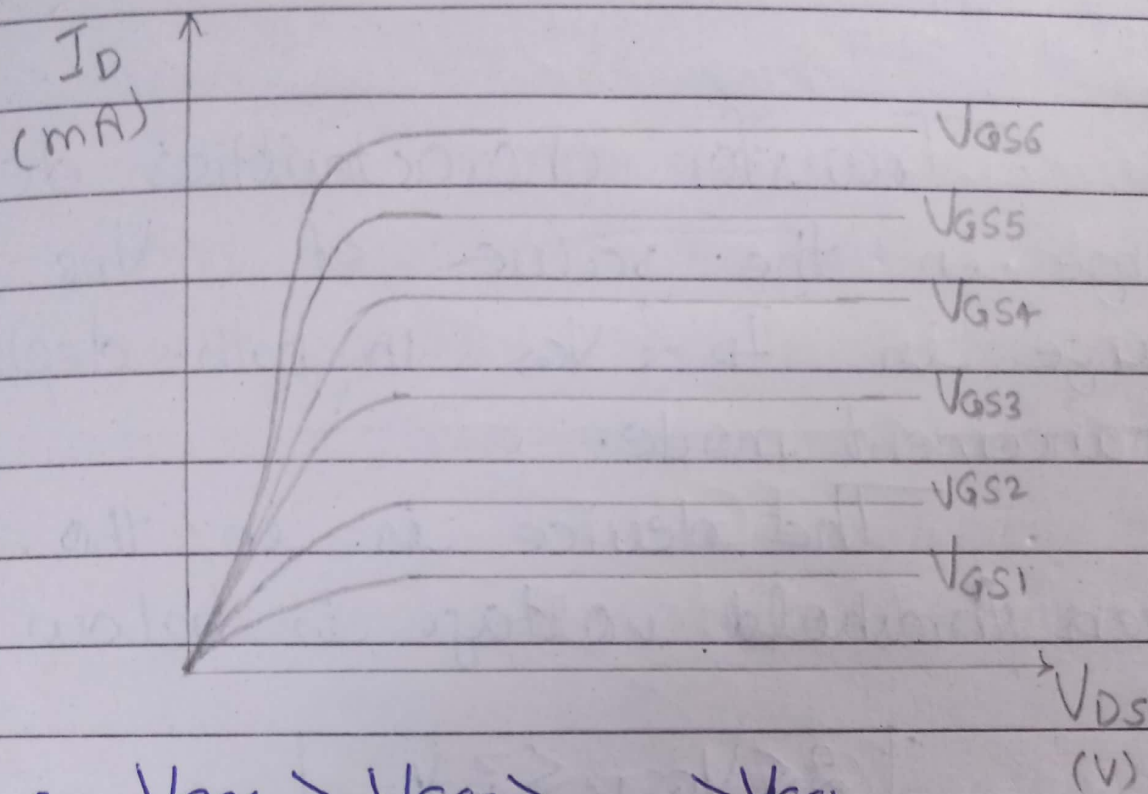


Drain Characteristics or Output characteristics -



- $V_{GS6} > V_{GS5} > \dots > V_{GS1}$

Actually when V_{DS} increased, I_D should increase, but due to V_{GS} , I_D is controlled at certain level. Hence, the gate current controls the output I_D .

- $$R_{DS} = \frac{V_{DS}}{I_D}$$

Phase Controlled Rectifier -

It is one type of rectifier circuit in which the diodes are switched by thyristors. Whereas diodes offer no control ~~over~~ over o/p voltage. The Thyristors are used to differ the o/p voltage by adjusting firing angle.

Applications of PCR -

- (i) Battery charges.
- (ii) HVDC line
- (iii) Reactor control
- (iv) Electrochemical process
- (v) UPS