

Quadrant IV– Assessment (Module-wise)

Programme: T.Y.B.Sc.

Subject: Physics

Paper Code: PYC-106

Paper Title: Analog and Digital Electronics – Section I

Unit2: Field Effect Transistors

Module Name: MOSFET-Depletion mode (Depletion MOSFET)

Module No: 08

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Answer the following:-

- **What is MOSFET?**
- **A Depletion MOSFET differs from a JFET in the sense that it has no -----
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a) channel b) gate c) p-n junctions d) substrate
- **Show the symbol of n-channel Depletion MOSFET.**
- **Sketch the drain characteristics of Depletion MOSFET.**
- **Compare FET and Depletion type MOSFET.**
- **Sketch the transfer characteristic of Depletion MOSFET.**
- **Explain the construction of n-channel Depletion type MOSFET.**
- **Discuss the working of Depletion type MOSFET.**