**MUFFAKHAM JAH COLLEGE OF ENGINEERING AND TECHNOLOGY**

**BANJARA HILLS, ROAD NO.3**

**ELECTRONICS AND COMMUNICATION ENGINEERING DEPARTMENT**

**Subject Name: Analog Electronics Subject code: PC223EC**

**CLASS TEST-1 EEE and EIE**

**(2021-22)**

**NOTE:**

1. **ANSWER ALL QUESTIONS FROM PART-A**
2. **ANSWER ANY TWO QUESTIONS FROM PART-B**
3. **ANY MISSED DATA CAN ASSUMED APPROPRIATELY**

**PART A**

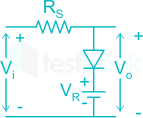
1. Draw the Forward and Reverse Bias PN Junction diode and its V-I Characteristics [CO1](**2M)**
2. Classify the amplifiers according to the method of coupling. [CO2]**(2M)**
3. Write brief notes on the following **(2M)**

a. Rectifier [CO2]

b. Clamping circuits [CO1]

**PART B (2x7)**

1. Draw the circuit diagram of the RC coupled amplifier. Explain the operation and its frequency   
    response. [CO2]
2. Explain the following circuit. [CO1]



1. Explain the Bipolar Junction Transistor - V-I characteristics of its various configurations and write the current gains of each configuration. [CO2]

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ASST.PROF.

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