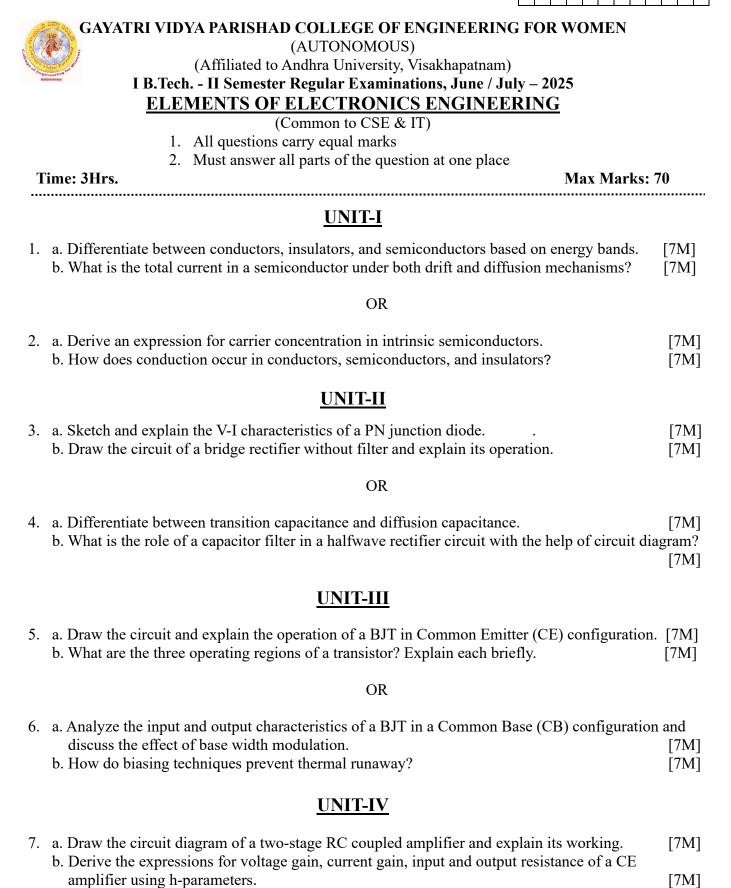
Subject Code: 24EC11RC04

**R-24** 

Reg No:



OR

8. a. Explain the small signal model of a transistor using h-parameters [7M]
b. Explain how gain changes in the low, mid, and high-frequency ranges in a two-stage amplifier. [7M]

## <u>UNIT-V</u>

9.	a. Define and explain the JFET parameters.	[7M]
	b. Draw and explain the construction of: n-channel Depletion MOSFET.	[7M]

## OR

10. a.Differentiate between Enhancement-mode and Depletion-mode MOSFETs	[7M]
b. Draw and explain the transfer characteristics of N-Channel JFET.	[7M]