

Q-5	Attempt all questions	(14)
	a) How UJT works as a relaxation oscillator? Write its advantages.	07
	b) How transistor amplifier works practically? – Explain.	07
Q-6	Attempt all questions	(14)
	a) Discuss JFET parameters briefly.	07
	b) What is the physical significance of load line in transistor amplifier? Discuss its analysis.	07
Q-7	Attempt all questions	(14)
	a) Write short notes on (1) OR gate and (2) NOT gate.	07
	b) Discuss how AND, OR and NOT gate can be made through NAND gate.	07
Q-8	Attempt all questions	(14)
	a) For a given JFET, if a change in drain voltage of 4V produces a change in drain current of 0.06 mA. Calculate ac drain resistance.	04
	b) Discuss-Thermistor characteristics.	05
	c) Write short note on AND gate.	05

