8.R	8R	8R	8R	8R	2R	_8R	8
8R	B.Tec BAS Time: 3 hours Note: This questic Part A is Part B con	h I Year II Sen IC ELECTRIC (Common to Compute contain compulsory was sists of 5 Un	mester Examina CAL AND ELE E, ME, MCT, I st two parts A ar hich carries 25	Ations, August/ACTRONICS EMM(T, MIE) Condition of the con	wer all questions estion from each	χ. Marks: 75	8
88	8R '	8R	SPART-	^A SR	8R	(25 Marks)	8
88	b) What is com c) What is Q-fa d) State and ex e) Define Forw f) What are the g) Substantiate h) Explain how i) Compare BJ	plex power? Explain. clain Norton's tard and Reverse advantages of the need of bias a BJT acts as a	heorem. Resistances of pridge rectifier? sing a BJT. n current amplif	8R	[2 [3 [2 [3 [2 [3 [2 [3]]]]] 	8
8R	2.a) Write short n b) Find the equi	Or Dotes on Star – Dotes valent resistance	PART-1 Pelta transformate across the term	SR ion.	S Rown in Figure 1.	(50 Marks) [5+5]	- 2 8
8R	8 R	8 19 →			Λ 6 kΩ kΩ	8R	8
8R	3.a) Illustrate follo i) Impedance b) Find the imped	ii) Reactance	Figure: 1 OR iii) Phase defer	러 ence iv) Pow	er factor. = 50Ω and X_C =20	S □ Ω. [6+4]	8

8R 8R 8R 8R 8R 8R 8

