	•
RABAD RABAD	
in Part A.	FE
(25 Marks) [2]	
[3] gram. [2] a systems?	
[2] [3] [2] [2] [3]	
( <b>50:Marks</b> ) [6+4]	
ng in the near	
s	**************************************

## B. Tech IV Year I Semester Examinations, November/December - 2

			TRUBUTION SYN lectronics Enginee:		•	
Part Part	question paper c A is compulson B consists of 5	ry which carries Units. Answer	s A and B s 25 marks. Answer any one full ques ve a, b, c as sub que	tion from e		FE
		P.	ART- A	KAN KAN	(25 Marks)	
b) Defin c) Draw d) Wha iii e) List of f) Desc g) What h) Explai i) Write	ne load factor and v a simple radial s t are the factors g imiting out various types ribe the methods t are the advantag ain the principle of e short notes on S	I loss factor. secondary system overning the self in initial of primary and s used to calculate ges of circuit brea of operation of full deries compensat		h a single lir vels in distrib	oution systems? [3] [2]	F6.
b) What	are the factors to	between loss fan be considered f	ART-B  ctor and load factor or load forecasting.		( <b>50:Marks</b> ) [6+4]	
future	<u>.</u>		affect the distribution and explain the char		lanning in the near loads. [5+5]	
1.a) Discub) Expla 5.a)What b) :Assur 15-mi	ss the basic design in various types are the various fanct that a load of neweekly max	gn practice of secon radial primary  Cactors that are to 100 KWigs connimum demand Vh. Assuming	condary distribution refeeders with diagra OR be considered in se ected at the river sid is given as 75K a week is 7 days, f	systems. ims. lecting subsi le of Godava W, and th	[5+5] ration location. ary paper mill. The ne weekly energy	Fi
**** ***				*****		P 4 K V

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b) In a th power  7.a) In terr infactor b) Prove	ree phase system factor for which make the power loss	m the impedance h the voltage drop  o  and reactance of ge drop is minimum  due to the load	of the line is (Roots maximum.  R  of the circuit, do  um for a uniform  currents in the	er is two times the ejx) ohms per phaserive the equationally loaded feader. conductors of since equivalent three	se. Find the load [5+5]  for load power  in the load [5+5]	P6 P6
b) Explai	n the coordinations clearly the co		ween two fuses. R otective devices i	n a distribution s	;; ;[5+5] ystem. [5+5]	P5
10.a)Compa b)What i	are shupt and se s the need to co	ries capacitor schontrol the Voltage Or and reactors c	nemes of compendence of power system  R  an control the v			PS
b) What a	are the necessit	or for voltage conties of Voltage conformal for voltage and the conformal formal for the conformal formal for the conformal for the confor	ontrol and p.f. co	system?;	r systems? What [5+5]	F6
P6	P6	0	oOoo—	P6	P6	PS
P.E.	PG	P6	PS	P6	P6	P6
[C-E],	F'6	F'6	PE	PS	P6	PS
P6	PS	F6	Pē	PÉ	PG	F-6,