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Prin	ted P	irstranke iges: 4	r's choice www.FirstRank			
	(Follo	wing Paper	r ID and Roll No. to Answer Books)	be filled in your .com		
Pap	er ID	: 121858	Roll No.			
			B.TECH			
Theory Examination (Semester-VIII) 2015-16						
ENERGY EFFICIENCY & CONSERVATION						
Time: 3 Hours				Max. Marks: 100		
			Section-A			
1. Attempt all parts. All parts carry equal marks. Write						
	answer of each part in sort. $(2 \times 10 = 20)$					
	(a)		bout the protection o bution system.	f capacitors and switch-		
	(b)	What do y		GY CONSERVATION		
	(c)	What do you	ou mean by "LOAD S	SCHEDULING/SHIFT-		
	(d)	What are e	energy efficient windo	ows?		

(I) C

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Explain the energy conservation in small scale and large (ii) Voltage drop calculations.

Describe the methods of voltage and reactive power tance in power system environments. control in distribution systems. Also mention its impor-

Section-C

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4.	(a)	Firstranker's choice What do you WWW.FirstRANACITOR BANKS WWW.FirstR "INDUCTOR BANKS" used in distribution systems?
		Explain their advantages and limitations.
	(b)	Write short note on Voltage classes and nomenclatures.
5.	(a)	Discuss about the following:
		(i) Motor efficiency testing
		(ii) Motor Speed Control
	(b)	Write a detailed note on Indian Electricity Act 1956.
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