

	Code	•	15EE52T	_
--	------	---	---------	---

Register		 -	 		 -
Number			 1		

V Semester Diploma Examination, Nov./Dec. 2018

## TRANSMISSION DISTRIBUTION & UTILIZATION

Tin	ne : 3 Hours ]	[ Max. Marks : 100
Note	e: (i) Answer any six questions from Part – A, each question (ii) Answer any seven full questions from Part – B, each qu	•
	PART – A	TAICONSOLE!
1.	List any 5 main components of overhead lines.	5
2.	Draw a neat schematic diagram of typical AC power supply and	Diploma - [All Branche abels console Education 5
3.	List the main components of HVDC transmission.	5
4.	Explain in brief AC primary distribution system.	5
5.	Compare Outdoor and Indoor substations.	Diploma Question Papers [20]  5  Beta Console Education
<b>6</b> .	List the essential material requirements for making heating elements	ents. 5
7.	Explain the principle of Arc welding.	<b>5</b>
8.	Define Electroplating. List the applications of Electroplating.	5
9.	Explain in brief the Indirect lighting scheme.	5
	PART – B	
10.	(a) State the advantages and disadvantages of corona.	5
	(b) Explain transportation of conductors in transmission lines v	vith a neat diagram. 5
11.	(a) Explain various parts of underground cable.	5
	(b) A load of 4 MW at 11 kV is being received from a single line at load PF of 0.9 lagging. If the resistance and react	
	$0.018 \Omega$ and $0.02 \Omega$ respectively, calculate:	
	<ul><li>(i) Sending end voltage Vs</li><li>(ii) % Regulation</li></ul>	5
	1 of 2	[Turn over

efficiency of lamp = 14 lumens/watt