

Time: 3 Hours]

Code: 15EE33T

[Max. Marks : 100

[Turn over

Register				
Number				

III Semester Diploma Examination, Nov./Dec. 2017

ANALOG ELECTRONICS

Note	(i) Answer any six questions from Part – (ii) Answer any seven full questions from		
	PART – A		
1.	Define: (a) Hole current (b) Electron-Hole pairs	38	1×5 ETA CONSOLE!
	(c) Doping(d) Acceptor(e) Donor impurity		Diploma - [All Branches] Beta Console Education 3-
2.	Define transistor and mention the function of e	ach terminal.	5
3.	Derive relation between Alpha and Beta.	Diploma Question Papers [2015-19] 5 Beta Console Education	
4.	Define electron emission and list types of elect	ron emission.	5
5.	Sketch the block diagram of Regulated Power	Supply (RPS) and label it.	5
6.	Describe the working of transistor CE amplifie	5	
7.	Explain the working of Push-pull amplifier.	5	
8.	Define: (a) Virtual ground (b) CMRR (c) Slew Rate (d) Time constant (e) Duty cycle		1 × 5

[1 of 2]