	Sorten	same field ages	and the later soft	- Name -	0.5
700	uestion Paper	Code:	40958		
(EI)	Tal DECDEE EVANO	DYLETION .		a salaw G	
D.E./D.	Tech. DEGREE EXAM Fourth Se	MATION, A emester		2018	
	Electronics and Commu	nication Eng	ineering		
(Common to : ]	C 6404 – LINEAR INT Medical Electronics/Rob	ectics and Au	IRCUITS tomation E	ngineering)	
	(Regulation	ns 2013)		Tamana Ta	
Time: Three Hours			Maxir	num : 100 Ma	arks
	Answer ALL	questions			
	PART	- A	(0)	.0×2=20 Mar	ks)
1. Enumerate any	two blocks associated wi	th Op-Amp bl			
	wo methods can be used to				
	action of a phase shift circ			a) Discuss	
	name for clipper circuit.				
	erminologies associated w		an detail ate		
		ith multiplie	characteris	tics.	
6. What is Gilbert					
7. Define Samplin					
8. Write the name	es of the switches used in	MOS Transis	ors.		
9. Name some LC	oscillator circuits.				
10. Define Line reg	rulation.				
	PART	- B	(5	×13=65 Mar	ks)
11. a) Discuss abou	ut the principle of operati (OR)	on differentia	amplifier u	sing BJT. (	(13)
b) Explain abo	ut Ideal Op-Amp in detail	with suitable	diagrams.	(	(13)

## For Notes, Syllabus, Question Papers: www.AllAbtEngg.com

40958	Mag. No			
	i) Describe about voltage follower circuit.  ii) Write short notes on subtractor circuit.  (OR)	(7) (6)		
b)	With a neat diagram explain about V-I converter.	(13)		
13. a)	Discuss briefly about analog multiplier ICs. (OR)	(13)		
b)	Explain the operation of the basic PLL with a block schematic.	(13)		
14. a)	a) Enumerate the specifications of D/A converter.			
	GI : ettemanik (OR)			
b)	Describe in detail about the single slope type ADC with neat sketch.	(13)		
	15. a) Explain about sawtooth wave generator with neat sketch.  (OR)			
	Discuss briefly about opto-couplers.	(13)		
	PART – C (1×15=15 Ma	arks)		
16. a)	Discuss in detail about instrumentation amplifier with suitable diagrams. (OR)	(15)		
b)	Explain in detail about VCO using suitable diagram.	(15)		
	What is Gilbayt Multiplier Cele-			
	Define Sampline			
		8 4		
	Define Lore regulation			
	a) Discuss about the principle or a strategy differential amplifier using EUI			