No. of Printed Pages : 4 Roll No				(CO-3)		
KUI	i NO	170933	Q.7	Distortion in amplifier de feedback.		
3rd Sem. / Electrical		<b>∩</b> 8		,		
Subject : Electronics-II			Q.U	Op-Amp stands for (CO-5)		
Time : 3 Hrs. M.M. : 100 <b>SECTION-A</b>		M.M. : 100	Q.9	In monostable multivibrator, nu states is		
		Q.10	A 555 timer is a 6-pin IC. (True	/False) (CO-4)		
Note:Objective questions. All questions are compulsory (10x1=10)  (Course Outcome/CO)		SECTION-B				
		Note	e:Very Short answer type questio ten parts	ns. Attempt any 10x2=20		
Q.1	Class power ampl highest collector efficiency.		Q.11	Write any two applications of amplifiers.	tuned voltage (CO-2)	
Q.2	At resonance in series RLC circuit, the current is (Minimum/Maximum). (CO-2)		Q.12	Define collector efficiency?	(CO-1)	
			Q.13 Write any two reasons, why we need feedback in amplifiers. (CO-1)			
Q.3	Most of the amplifiers use feedback.	(CO-2)	Q.14	Write any two differences bet	ween oscillator (CO-2)	
Q.4	Op-Amp can amplify both dc and ac signals. (True/False) (CO-5)			and alternator. (CC		
Φ			Q.15	Draw a clamping circuit?	(CO-3)	
Q.5	Push Pull amplifier uses to (True/False)	transistors. (CO-2)	Q.16	Write two applications of wave s	shaping circuits. (CO-3)	
Q.6	Wein Bridge oscillator can g	enerate high	Q.17	Why we use heat sink in po	ower amplifiers. (CO-2)	
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Q.18 Write any two applications of Op-Amp.	(CO-5)	Q.29	Enlist the essentia	ls of an oscillator?	(CO-1)	
Q.19 Describe a multivibrator? (CO-3)		Q.30	The gain of an amplifier is 100. When negative			
Q.20 Define input offset voltage?	(CO-4)	feedback is used, it reduces to feedback factor.		d, it reduces to t	00. Find (CO-2)	
Q.21 Write any two applications of transistor circuit using power transistor.	inverter (CO-2)	Q.31	Explain the freque voltage amplifier w	uency response of vith diagram.	a tuned (CO-2)	
Q.22 What is class-B power amplifier? Exbrief.	cplain in (CO-1)	Q.32	Write a note on IC	555 timer.	(CO-4)	
SECTION-C		SECTION-D				
3LC HON-C		Notal and answer type questions. Attempt of				
<b>Note:</b> Short answer type questions. Attempt a questions.	any eight 8x5=40	<b>Note:</b> Long answer type questions. Attem questions.		-	3x10=30	
·		Q.33	Explain working of	king of complementary symmetry		
23 Explain with diagram working of single tuned voltage amplifier. (CO-2)		push pull amplifier with a neat labelled diagram. (CO-2)				
Q.24 Explain the effect of on voltage gain and in an amplifier.	stability (CO-2)	Q.34	Draw diagram an oscillator.	d explain working o	f Hartley (CO-3)	
Q.25 Differentiate between voltage and amplifier.	power (CO-1)	Q.35	Explain working o	of Op-Amp as Diffe	rentiator. (CO-5)	
Q.26 Draw the circuit of emitter follower? Exworking.	rplain its (CO-3)	Q.36	(b) Advantages of negative feedback (CC		ollowing: (CO-4)	
Q.27 Explain working of a bistable multivibrate	or circuit. (CO-3)				` ,	
Q.28 Explain working of a Class-A single ended power amplifier. (CO-2)		(Note: Course outcome/CO is for office use only)				
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