ASSIGNMENT

4Th Semester Electronics Engineering ELECTRONIC CIRCUITS

SECTION - A

Fill	in the blanks: -	1×10
1.	In class A amplifier, collector current flows for cycle.	
2.	In RC phase shift oscillator, each RC section causes phase shift of	degree.
3.	Integrator circuit is filter.	
4.	An electronic circuit that generates square wave is called	
5.	The gain of emitter follower circuit is	
	Positive feedback is used in	
7.	The RC Coupled amplifiers are cascaded, if voltage gain of each sta	ge is 10, the overall gain of
	cascaded amplifier is	
8.	In 555 timer pin is used for trigger pulse.	
9.	In a series RC circuit, Impedance is equal to	
10	. Class power amplifier has the highest collector efficiency	
SECTION -B		
N	OTE: Do any five questions.	3×5
1)	What do you mean by Feedback amplifier in electronic circuits. Der	ve expression of gain with
	negative feedback?	
2) Draw circuit diagram of tuned collector oscillator? Explain its operation.		
-	raw the circuit and explain operation of class B push pull amplifications.	r? List its advantages and
4) W	hat is emitter follower? Explain its working.	
5) What is the need of multistage amplifier? Explain it.		
6) Draw the circuit diagram of a two stage RC coded amplifier? Explain its working and frequency		
ı	response.	
7) What are differences between voltage and power amplifiers?		
	SECTION - C	
NC	TE: Do any five questions.	5×5
2) E 3) E 4) E 5) Y	Draw block diagram of operational amplifier. Explain functions Explain with circuit diagram, how operational amplifier work as integ Explain with neat circuit diagram, operation and working of Hartley of Draw block diagram of 555 timer. Explain function of each pin? What is tuned amplifier? Explain with the help of circuit diagram, the second	rator and differentiator? scillator?
	amnlifier?	

6) Draw circuit diagram of astable multivibrator and describe its working?7) Draw circuit diagram of positive and negative clipper? How does it work?