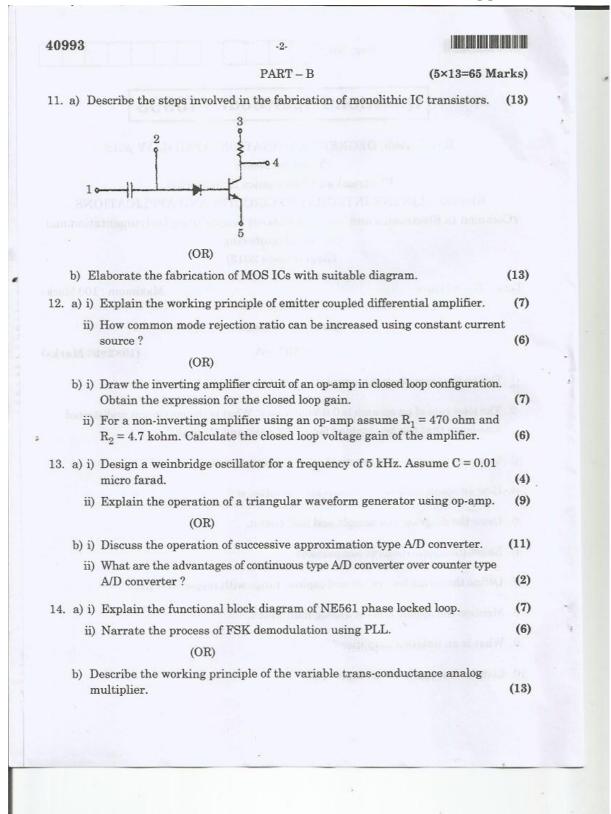
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Question Pap	er Code :	40993
Electrical and El EE6303 – LINEAR INTEGRATI (Common to Electronics and Instrum Control	d Semester lectronics Engin ED CIRCUITS A	eering
Time: Three Hours		Maximum: 100 Marks
Answer .	ALL questions	
PA	ART – A	(10×2=20 Marks)
1. Define the term photolithography in	IC fabrication.	
2. The slew rate of an op-amp is 0.6 V/m sine-wave that can be obtained for a		
3. Compare the ideal and practical op-a	mp characteristic	S. with was naged (1 (n. E.)
4. How an op-amp can be used as a volt	tage follower?	manga ada matagrifi. Gr
5. Draw the diagram of a sample and he	old circuit.	10)
6. Enlist the applications of comparator	rs.	
7. Define the terms lock range and capt	ture range with re	spect to PLL.
8. Mention the applications of analog m	nultipliers.	
9. What is an isolation amplifier?		
10. List the features of opto-coupler ICs.		

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15. a) i) Explain the working prin	nciple of basic linear volta	ge regulator using op-amp. (7)
ii) Explain the operation o		
LM380.		(6)
(OR)		
b) Write a detailed note on s	witching regulators.	(13)
	PART - C	(1×15=15 Marks)
16 a) What are the new trands i		
 a) What are the new trends i its scope for future genera 	ntion ?	inologies and explain about
(OR)		
b) Write a note on recent f	abrication methods of	diode and capacitance for
industrial applications.		Study.