FEEE PYO Unit I F-23 01 Resistance Lond its within 12-2 Dio de Tronsistor 03 Independent and Dependent source Symbol-S-23 PANA-90 doobi ei tool Me worked after the more for so smith the 01 Name of active and passive components -4 Draw Symbol and State Applications -Diode Tronsistor (PNP 8 NPN) O3 Ideal current source and voltage source of What is passive components? Examples -2 9 I deal - Practical voltage and current sauca-t-0) Draw symbol and one application - 6 63 Zener diode (MOS Transister

Unit - 2 OI What is vistual around? O2 Difference I deal and practical OP-AMP -1 03 Integrator circuit with Input, Output wareform-1 · Norwall Sphore The said of the said of the said of the said Ot What is ideal OP-AMP? 25-6-2 O2 OP-AMP configurations with diagram -F1-22 7 37 Palestand Spain Colored Spain (Mad & did) soprietos 01 What is aperational amplifier + 2 02 Characteristics of Ideal aperational amplifier - 4 03 Differential circuit

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	Unit - 3
	F-23
01 02 03	What do you mean by iniversal gate 2 TTL gate with diagram - 4 What ore counters? Explain up down - 6
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02	Draw symbol. Bookean expression a parti
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	MOR gate MAIND gate
03	Ripple ne counter with diagram -
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04	short note Boolean operation
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	Unit 4
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02	Statically Induced EMF VS Dynamically Induced EMF - 4
14.W	Induced EME TO THE TELESTICE THE TELESTICE
03	Draw and explain BH core -6
04	Short note Self and mutual Induction - 2
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OI	Define following teams and units (1-6) Power The Energy to Store Store
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(V)	Power and Energy -2
Q 2	Faradays law - 4
a 4	Flectoric VS magnetic (10 cuit -6 BH curve and application -6
<u> </u>	pri con cia application o

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	Unit - 5
	F = 230 h = = = = = = = = = = = = = = = = = =
OI.	What is power triangle Draw it -2
02	Define following 1
9	Define following - 7 Cycle Frequency His
	Time period Form Eactor
03	Desire formula for Impedence in R-L-C
	Series circit -6 mont son
04	Phasor representation of alternating emf
	and current
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	Amplitude RMS volve
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	0.24 and capacitance of 30 xift calculated
	Ocurrent Bactive power -6
	3 Power Factor A valtage drop acouse Rand
0;	3 Voltage current relationship in star and
	delta connection 72 Define active
_ (Qa	Doan power tolongle. Define active power with with - 4
	Ponce situation of the second for the second second

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	F-22
	Different type of power in A C circuit
	Different type of power in AC circuit and Formula -2
(2)	Relationship between voltage and corrent
	in stor and delta connection
3	Define following in AG circuit
	Average volvens los soil
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	Unit -6
	F-23
	Tours of while of
	Transformation ratio of Fransformers
3	Basic preinciple of Transformer sin -4
	Diagram at different DE machines -6
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