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¹ -what is the meaning	for the word "electronics"	?	
1. the branch of scie	nce and technology that ma	anage the flow of po	wer
^{2.} electronics deals v	with digital circits		
^{3.} the branch of scie	nce and technology that de	als with coductor or	superconductor
 the branch of scient information 	nce and technology that de	eals with the use of co	omponent to control the flow of
2-what is the meanning circuit is zero"?	g of "node" in this sentend	ce: " the sum of the	currents into any node of
1. colsed path or circ	cuit	^{2.} junction poin	nt within a network
^{3.} intersection		^{4.} loop	
³ -Which of the followir	ng sentences defines KVL?		
	ltage drops around any loo	p is zero.	
	rrents into any node of a ci	-	
^{3.} The sum of the vo	ltage drops around any circ	cuit is zero.	
	rrents drops around any lo		
4-Which one is NOT a k	pasic, linear analog circuit o	component?	
1. Resistor	^{2.} Capacitor	^{3.} Inductor	^{4.} Diode
5-What is multimeter?			
1. It is an electrical m	neasuring instrument which	n is capable of measu	iring impedance.
^{2.} It is an electrical m	neasuring instrument which	ו is capable of measu	ring electrical power, capacity.
^{3.} It is an electrical m resistance.	neasuring instrument which	ו is capable of measu	ring voltage, current and
⁴ . It is an electrical m	neasuring instrument which	n is capable of measu	ring capacity, impedance.
6-The basic measuring	devise in a digital multime	eter is an electronic c	ircuit which converts
1. An input DC volta	ge – a digital waveform	^{2.} An input AC	voltage – a digital waveform
	n – an input dc voltage	-	veform – An input AC voltage
7-When an electron jur	mps to the conduction ban	d a vacancy is called	
1. A cavity	^{2.} A hole	^{3.} A fossa	^{4.} A puddle

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⁸ -The process that incre	ases the number of curre	ent carriers is called		
1. Concentration	^{2.} Doping	^{3.} Purity	^{4.} Condensation	
• .	e area on one layer of the t. This process is called	e semiconductive material	permits the to be	
1. Diodes – electrolun	ninescence	2. LEDs – electrocor	nductive	
^{3.} Photons – electroluminescence		4. Photons –electroconductive		
10- What is the meaning is the reason transisto	of "gain" in "the collecto rs exhibit current gain"?	r current is much larger t	han the base current. Thi	
1. Stretch	^{2.} Development	^{3.} Amplification	⁴ . Decrease	
11-In what manner does	the MOSFET differ from t	he JFET?		
1. JFET has no pn junc	tion structure.			
^{2.} MOSFET use both e	electron and hole current.			
^{3.} JFET use both elect	ron and hole current.			
^{4.} MOSFEThas no pn j	unction structure			
12-Common emitting am	plifiers exhibit g	ain and gain.		
1. High voltage – high	current	^{2.} Low voltage – hig	h current	
^{3.} High voltage – low	current	^{4.} Low voltage – low	v current	
13-Which one is NOT a BJ	T amplifier?			
1. The common – emi	-	^{2.} The common – dr	rain amplifier	
^{3.} The common – colle	ector amplifier	^{4.} The common – ba	ase amplifier	
14-What is "op-amp" (an	operational amplifier)?			
		v input impedance and hig	h output impedance.	
	-	w input impedance and hi		
	·	h input impedance and lo		
		gh input impedance and lo		
15-The resulting output s	ignal in common-mode o	peration		
		^{3.} Is opposite	^{4.} Is complete	

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	divided into two main g	roups according to the	way they are built, they are
1. Monolithic and anal	og	^{2.} Monolithic and	l hybrid
^{3.} Analog and digital	-	^{4.} Analog and hyl	brid
7-Which of the following	g devices does not make	e use of analog ICs?	
1. Signal generator		^{2.} Voltage regula	tor
^{3.} Test increment		^{4.} Communicatio	n switching
¹⁸⁻ What are the basic ope	eration gates?		
1. AND, OR, NOT		^{2.} AND, OR, NOT	and FLIP-FLOP
^{3.} AND, OR and NOR		^{4.} OR, NOR and F	LIP-FLOP
9-A bubble on the outpu	t side of the NAND gate	denotes	
1. NAND operation, inv	version or realization		
	ersion or complementation	on	
	n of any logical expressio		
^{4.} Inversion in digital a			
20-Synchronous circuits a	re also known as :		
1. Asynchronous circui	its	^{2.} System clocks	
^{3.} Clocked-sequential	circuits	^{4.} Combinational	circuits
21-Sequential circuits are	categorized		
1. According to timing	of the their signals	^{2.} Based on their	quality
^{3.} Into preset, set and	postset	^{4.} Regarding thei	r feedback in operation
2-Which one is named as	s a second industrial rev	olution?	
1. Integrated circuits		^{2.} Transistors	
^{3.} Amplifiers		^{4.} Diodes	
23-Some MSI and LSI pack capabilities.	ages are made of ceran	nic because they have b	etter dissipation
1. Electrical	^{2.} Thermal	^{3.} Chemical	^{4.} Physical
24-What is NOT the mean probability of defects"		entence: "in such large s	sizes there is a significant
. ,	^{2.} Destruction	^{3.} Deficiency	^{4.} Problem

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5-MOS RAM cells are s	uitable to be used in large	e RAM IC's due to	
1. Adaptable bits use	ed in the circuit	^{2.} Their simplic	ity and small size
^{3.} Logic levels transf	erred in the circuit	⁴ . Processing d	ynamic and static manner
-	of the word "increment" increment and decremer		e basic arithmetic instructions
1. A regular decrease	e	^{2.} A sudden inc	crease
^{3.} A regular increase		^{4.} A sudden de	crease
-	manufacturer has its ow n and widely used registe	-	for the register section, which
1	۲	 Program cou 	Inter
1. Instruction registe			
^{3.} System clock		^{4.} Accumulator	
^{3.} System clock 8- what is the meaning	of the word "constitute" us and switching circuit"?	in this sentence: "mul	
^{3.} System clock 8- what is the meaning	of the word "constitute"	in this sentence: "mul	
 ^{3.} System clock 8-what is the meaning important class of plate 1. Sequential 	of the word "constitute" us and switching circuit"?	in this sentence: "mul ? ^{3.} Set up	ltivibrator constitute an
 ^{3.} System clock ⁸-what is the meaning important class of plate 1. Sequential 	of the word "constitute" us and switching circuit"? ^{2.} Start	in this sentence: "mul ? ^{3.} Set up	ltivibrator constitute an
 ^{3.} System clock 8-what is the meaning important class of plue 1. Sequential 9-Multivibrators can be 1. Three 	of the word "constitute" us and switching circuit"? ^{2.} Start e constructed in con	in this sentence: "mul ^{3.} Set up figurations ^{3.} Two	ltivibrator constitute an ^{4.} Trigger
 ^{3.} System clock 8-what is the meaning important class of plue 1. Sequential 9-Multivibrators can be 1. Three 	of the word "constitute" us and switching circuit"? ^{2.} Start e constructed in con ^{2.} Four both electrical ar	in this sentence: "mul ^{3.} Set up figurations ^{3.} Two	Itivibrator constitute an ^{4.} Trigger 4. Six
 ^{3.} System clock ⁸-what is the meaning important class of pluting ^{1.} Sequential ⁹-Multivibrators can be 1. Three ⁰-Television contains b 	of the word "constitute" us and switching circuit"? ^{2.} Start e constructed in con ^{2.} Four both electrical ar	in this sentence: "mul ^{3.} Set up ofigurations ^{3.} Two nd	Itivibrator constitute an 4. Trigger 4. Six
 ^{3.} System clock 8-what is the meaning important class of pluting of the sequential 9-Multivibrators can be 1. Three 0-Television contains b 1. components - circo 	of the word "constitute" us and switching circuit"? ^{2.} Start e constructed in con ^{2.} Four both electrical ar	in this sentence: "mul ^{3.} Set up ofigurations ^{3.} Two nd ^{2.} circuits - sys	Itivibrator constitute an 4. Trigger 4. Six
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