

1. For parallel capacitors, total charge isa) The sum of individual chargesc) Equal to the product of the charges		b) Equal to the charge of either capacitorsd) The quotient of the charges		
2. A rheostat is a form ofa) Variable capacitorc) Potentiometer		b) Variable resistor d) Thermocouple		
3. In the IEEE standards 802.5 s a) Ethernet c) Wireless Token area Network		b) Token bus d)Token Ring		
4) The usual load of a DC circua) Capacitorc) Inductor	uit is a/an	b) Resistord) Both Inductor and Capacitor		
5. In active filter, what type of filter passes a range of frequency and a certain higher frequency? a) Band-pass b) High pass c) Low pass d) Band-stop				
6. What causes a very small cura) Majority carriersc) Forward current	rent in reversed- bias con	ndition? b) Minority carriers d) Reverse current		
7. An IC that transforms paralle a) UART	l data to serial in the asy b) USART	nchronous format and vice versa c) MODEM	d) RS232C	
8. An instruction that causes da a) LOOP	nta to be brought from mo	emory into an accumulator regist c) FETCH	er. d) JUMP	
9. What is the most commonly a) Operational amplifier	used type of linear IC? b) 555timer	c) 741	d) LM340	
10. A digital circuit that produces an output code depending on which of its inputs is activated. a) Encoder b) Decoder c) Multiplexer d) Demultiplexer				
11. Perform binary subtraction (a) 1001.01	to 6 ¼ and 4 ½ would res b) 1.00	sult to c) 10.11	d) 1.11	
12. The current needed to opera a) 5.455A	te a soldering iron which b) 66,000A	has a rating of 600 watts at 110 c) 18,200A	volts is d) 182A	
13. If a dry cell has an internal resistance of 0.50 ohm and an e.m.f of 2 volts, find power delivered in a one ohm resistor?				
a) 1.33 watts	b) 1.66 watts	c) 1.77 watts	d) 3.66 watts	
14. How much voltage regulation a) 10% and above	on does commercial pow b) Within 1%	er supply have? c) 15% and above	d) 10%	
15 is a linear electronic voltage regulator a) A regulator that has a ramp voltage regulator				



line or load conditions		n or off, with the duty cycle prop n the "off" state to the "on" state	ortional to the	
16. A digital word consisting o a) Dibit	f only four bits is called b) quad	a c) Pixel	d) nibble	
17. What do you call an electro a) Polarization	omagnet with its core in a b) Toroid	a form of magnetic ring? c) Irradiation	d) Doping	
18. What is the resistivity of an a) 10hm-cm	extrinsic semiconductor b) 3ohm-cm	c) 4ohm-cm	d) 20hm-cm	
19. Which of the following choa) Low voltage operation c) Compatibility	ices is an advantage of a	MOSFET over a BJT in an RF a b) Low amplification of signals d) Low noise	-	
20. A 1.0 KHz signal is flat top sampled at the rate of 1800 samples/sec and the samples are applied to an ideal rectangular LPF with cut-off frequency of 1100 Hz, then the output of the filter contains a) Only 800 Hz component b)800 Hz and 900 Hz components c) 800 Hz and 1000 Hz components d)800 Hz, 900 Hz and 100 Hz components				
21. Which of the following analog modulation scheme requires the minimum transmitted power and minimum channel band-width? a) VSB b)DSB-SC c) SSB d)AM				
22. Quadrature multiplexing is a) The same as FDM c) The same as TDM	•	b)quite different from FDM and d) a combination of FDM and T	d TDM	
23. Using DeMorgan's Theorem a) OR-NAND	m we can convert any Al b) NAND-NAND	ND-OR structure into c) NAND-NOR	d) NOR-NAND	
24. The five flags in 8085 are day Z,CY,S,P and AC c) Z,C,S,P,AC	lesignated as	b) D,Z,S,P,AC d) Z,CY,S,D,AC		
25. 'Burst refresh' in DRAM is a) Distributed refresh c) Hidden refresh	s also called	b) Concentrated refresh d) None of the above		
26. When the write enable inputa) Sets	t is not asserted, the gate b) Clears	ed D latch its output. c) Can notchange	d) complements	
27. Which of the following is u a) Free running multi-vibrator c) Monostable multi-vibrator	sed to generate PDM?	b) JK flip-flop d) Schmitt trigger		

b) A regulator in which the conduction of a control element is varied in direct proportion to the voltage or



28. Which of the following is an indirect way of generata) Varactor diode modulatorc) Reactance FET modulator		b) Armstrong modula	ing FM? b) Armstrong modulator d) Reactance bipolar transistor	
29. The effect of adding poles a a) Nichols chart	and zeros can be dete b) Bode plot	rmined quickly by c) Nyquist plot	d) Root locus	
30. The switching from one elea) Series	ement to the other ele b) Radial	ement in a typical mobile sa c) Shunt	ntellite array. d) Matrix	
31. In a transistor leakage currea) Temperaturec) Rating of transistor	nt mainly depends of	b) Size of emitter d) Doping of base		
32. A debouncing circuit is a) An astable MV	b) a bistable MV	c) A Latch	d) a monostable MV	
33. A dc circuit breaker must usa) Natural commutationc) Either natural or forced commutation	b)	Both natural and forced cor Forced commutation	nmutation	
34. Which of these devices hav a) SCR	e four layers? b) UJT	c) TRIAC	d) SCR and TRIAC	
35. HDLC isa) None of the abovec) Code dependent		b) Code transparent d) Bit oriented		
36. Which of the following num a) 31214	nber is divisible by 2 b) 61212	4? c)512216	d) 3125832	
37. What least number should be a) 2	be added to 1056, so b) 3	that the sum is completely of c) 4	divisible by 23?	
38. 1531×132+1531×68=? a) 306000	b) 306100	c) 306400	d) 306200	
39. Find the odd man out. 1, 5, a) 29	11, 17, 23, 29 b) 1	c) 11	d) 17	
40. 9, 35, 91, 189, 341, ? a) 559	b) 521	c) 502	d) 611	
41. Two trains of equal length a km/hr. If the faster train passes a) 88	~ .			
42. AI, BJ, CK, ? a) GH	b) DM	c) DL	d) LM	



43. J2Z, K4X, 17V,?, H16R, M	22P				
a) L11S	b) L12T	c)L12S	d) L11T		
44. Find the odd one out					
		1.			
a) fish: pipsiculture		b) birds: horticulture			
c) bees: apiculture		d) silkworm: sericulture			
45. If ELCSUM is the code for	MUSCLE, which word l	nas the code LATIPAC?			
a) CAPRICE	b) CONFESS	c) CAPITAL	d) CONDUCE		
.,,	0, 000.00	,	.,		
46. Dawn: Dusk:: Inauguration	46. Dawn: Dusk:: Inauguration:?				
a) Invitation	b) Repetition	c) Valediction	d) Organization		
,	, 1	,	, 6		
47. Pointing towards a person, a	a man said to a woman, "	His mother is the only daughter	of your father."		
How is the woman related to th		, ,	•		
a) Sister	b) Mother	c) Daughter	d) Wife		
48. Choose the word that is a necessary part of the following word.					
BOOK					
a) Pages	b) fiction	c) Pictures	d) learning		
49. Pen is to poet as needle is to					
a) Thread	b) Tailor	c) Sewing	d) Button		
50. Which word does NOT belong with the others?					
a) Peninsula	b) Bay	c) Island	d) Cape		

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