

1. The speed of a univer a) gear trains	rsal motor is generally re b) V-belts	educed by using c) Brakes	d) chains
2. The officiency of two	identical two afarmans	under lood conditions con	he determined by
a) Short-circuit test	b) back-to-back test	under load conditions can c) Open circuit test	d) any of the above
	m can be applied only to	_	
a) Resistive elementsc) Non-linear elements		b) Passive elementsd) linear bilateral eleme	ents
c) Ivon inical cicinents		a) inical bilateral cicine	AILS
4. A star circuit has eler a) R/6	ment of resistance R/2. T b) fi	he equivalent delta elem c) 2R	ents will be d) 4R
5. An Ideal Voltage sou	arce has		
a) Zero internal resistan	ice	_	equal to the voltage on full load
c) Terminal voltage in p	proportion to current	d) Terminal Voltage in	Proportion to load
6.In repulsion motor dir	ection of rotation of mot	tor	
a) is opposite to that of brush shift		b) is the same as that of	brush shift
c) is independent of bru	sh shift	d) none of the above	
7. Burning out of windi	ngs is due to		
a) Short circuited capac		b) capacitor value hivin	g changed
c) Open circuiting of ca	pacitor	d) none of the above	
8. For which of the follo	owing equipment current	t rating is not necessary?	
a) Circuit breakers		b) Isolators	
c) Load break switch		d) Circuit breakers and	load break switches
9. A conductor of length. The force experienced by		through it, when it is pla	aced parallel to a magnetic field.
a) Zero	b) BLI	c) B2LI	d) BLI2
10. Addition of pentava a) Free electrons	lent impurity to a semico	onductor creates many b) Holes	
c) Valence Electrons		d) Bound electrons	
,			
11. Which of the followa) Copper	ring materials is not used b) Aluminum	l for transmission and dis c) Steel	tribution of electrical power? d) Tungsten
12. When a step-input is	s given to an op-amp into	egrator, the output will be	e
a) A ramp		b) A sinusoidal wave	
c) A rectangular wave		d) A triangular wave wi	ith dc bias
13. Excess-3 code is kn	own as		
a) Weighted code		b) Cyclic redundancy co	ode
c) Self-complementing	code	d) Algebraic code	
14. Electro-mechanical	voltage regulators are ge	enerally used in	
a) Reactors		b) generators	



c) Transformers		d) all o	f the above		
15. A rotary converter operates at aa) Low power factorc) Zero power factor			power factor of the above		
16. Light duty cranes are useda) Power housesc) Automobile workshops	in which of the fo	b) Pum	? ping stations of the above		
17. Magnetic circuit breaker ha a) Delayed	as trip b) Instantaneou		c) Both a & b	d) Nor	ne of the above
18. A power transformer is usua) KW	nally rated in b) KVAR		c) KWh	d) KV	A
19. Submarines for under watera) Steam accumulatorsc) Diesel engines	er movement, are	powered b) Air 1 d) Batte	notors	following?	
20. The upper or lower cut off a) Resonant b) Sid	frequency is also eband	called _ c) 3db	frequen	cy d) None of the	above
21. When the load resistance ea) Currentc) Power in the load resistance		b) Effic	nce which of the eiency of the circ age across the lo	uit	be maximum?
22. The transformer laminationa) Mica stripc) Paper	ns are insulated fr	b) thin	other by coat of varnish of the above		
23. The output voltage of a cha a) Less than the battery voltage c) The same as the battery volt	e		ner than the batte	ry voltage	
24. Calculate the cutoff freque C1=0.05microFarad a) 1.273 kHz	ncy of a first orde b) 12.73 kHz	er low-pa	c) 127.3 kHz	2.5Kohm and	d) 127.3Hz
25. Admittance relay is a) Impedance c) Non-directional	relay.	b) Dire d) Non	ctional e of the above		
26. Minimum voltage regulational Unity	on occurs when the b) lagging	ne power	factor of the load c) Leading	d is	d) zero
27. Which of the following maa) Silver	terials are diamag b) Copper	gnetic?	c) Silver and Co	opper	d) Iron
28. To limit short- circuit curre	ent in a power sys	tem are	used.		



a) Earth wires	b) Reactors	c) H.R.C. fuses	d) Isolators
29. Which plant can nea) Base load plantc) Nuclear power plant	ver have 100 percent loa	nd factor? b) Peak load plant d) Hydro electric plant	
30. If the supply voltag a) Starting torque c) Full-load current	e for a D.C. motor is inc	reased, which of the following by Operating speed d) All of the above	owing will decrease ?
31. The leakage current a) Minority carriers c) Junction capacitance	t across a pn junction is o	due to b) Majority carriers d) none of the above	
32. The advantage of ca a) Easy maintenance c) Can be used in cong	ables over overhead trans	smission lines is b) low cost d) can be used in high	voltage circuits
33. Usually wide and so a) Centrifugal pumps c) Steel rolling mills	ensitive speed control is	desired in case of b) elevators d) colliery winders	
34. India's first nuclear a) Tarapore	power plant was installe b) Kota	ed at c) Kalpakam	d) None of the above
35. In a commutator a) Mica is harder than c c) copper is harder than		b) mica and copper are d) none of the above	equally hard
36.What least value sho	ould be replaced by * in 3 b) 4	223*431 so the number to 5	become divisible by 9 d) 3
37. A number when div 30 as remainder. The number 220030		and 445 gives two times c) 23030	their difference as quotient and d) 24030
38.In a group of ducks Find the total number of a)8		number of legs is 24 more	e than twice the number of heads d) 12
•	will a 500 meter long traving train if the speed of b) 30 Seconds		alking with a speed of 3 km/hr in
40.a * b = 2a - 3b + ab, a) 22		c) 20	d) 23
41. Food : Stomach : : l	Fuel :?	c) Engine	d) Automobile



42. SUGARCANE, CO	OFFEE, TOBACCO, RIC	Œ			
a) SUGARCANE	b) COFFEE	c) TOBACCO	d) RICE		
	ed as 1234567 and RISK				
a) 232679	b) 243769	c) 234769	d) 234976		
44.EJO, TYD, INS, XO	CH?				
a) NRW	b) MRW	c) MSX	d) NSX		
45 nmmn _ mmnn _ :	mnnm _				
a) nmmn	b) mnnm	c) nnmm	d) nmnm		
46.A girl introduced a boy as the son of the daughter of the father of her uncle. The boy is girl's					
a) Uncle	b) Nephew	c) Brother	d) Son		
	tary code, SYSTEM is S	YSMET and NEARER i	s AENRER What is the code for		
FRACTION?					
a) CARFTINO	b) CARFNOIT	c) FRACNOIT	d) CARFTION		
48.Jungle : Zoo : : Sea	: ?				
a) Aquarium	b) Harbour	c) Water	d) Fishery		
49. The child jumped to catch the ball.					
a) Above	b) up	c) By	d) at		
50. How soon	the party begin?				
a) Is	b) will	c) was	d) none		