scheme is used: a) Fixed voltage and fixed frequency scheme b) Fixed voltage and variable frequency scheme c) Variable voltage and variable frequency scheme d) Variable voltage and variable frequency scheme Q11) Commutator of electrical machines is made up of: a) Copper segments b) Iron laminations c) Iron lamination and copper segments d) None of these Q12) The relationship between back e.m.f and applied voltage in case of d.c. motor is as: a) E _b = V + I _a R _b c) E _b = V - I _a R _b d) None of these Q13) Electrical transformer can work on: a) d.c. supply c) d.c. and a.c. both d) none of these Q14) Buchholz relay is used on:
b) Fixed voltage and variable frequency scheme c) Variable voltage and variable frequency scheme d) Variable voltage and variable frequency scheme Q11) Commutator of electrical machines is made up of: a) Copper segments b) Iron laminations c) Iron lamination and copper segments d) None of these Q12) The relationship between back e.m.f and applied voltage in case of d.c. motor is as: a) E _b = V + I _a R _a b) E _b = V · I _a R _a c) E _b = V d) None of these Q13) Electrical transformer can work on: a) d.c. supply c) d.c. and a.c. both d) none of these
c) Variable voltage and variable frequency scheme Variable voltage and variable frequency scheme Q11) Commutator of electrical machines is made up of: a) Copper segments b) Iron laminations c) Iron lamination and copper segments d) None of these Q12) The relationship between back e.m.f and applied voltage in case of d.c. motor is as: a) E _b = V + I _a R _a b) E _b = V · I _a R _a c) E _b = V d) None of these Q13) Electrical transformer can work on: a) d.c. supply c) d.c. and a.c. both d) none of these
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d.c. motor is as: a) $E_b = V + I_a R_a$ b) $E_b = V \cdot I_a R_a$ c) $E_b = V$ d) None of these Q13) Electrical transformer can work on: a) d.c. supply c) d.c. and a.c. both d) a.c. supply none of these
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c) E,=V d) None of these Q13) Electrical transformer can work on: a) d.c. supply b) a.c. supply c) d.c. and a.c. both d) none of these
Q13) Electrical transformer can work on: a) d.c. supply b) a.c. supply c) d.c. and a.c. both d) none of these
a) d.c. supply c) d.c. and a.c. both b) a.c. supply d) none of these
c) d.c. and a.c. both d) none of these
c) d.c. and a.c. both d) none of these
Q14) Buchholz relay is used on:
a) Oil cooled transformer b) Air cooled transformer
c) Welding transformer d) Furnace transformer
ay Lamace transformer
Q15) The colour of dry silica gel is:-
a) blue b) pale pink
c) pale yeilow d) pale green
Q16) Function of the breather in a transformer is:
a) To suppress harmonics
b) To provide protection against over currents
c) To arrest flow of moisture into tank
d) To control the level of oil in the tank
Page 3

Page 1

Q26	Which la	gic func	tion ha	sthe	output low	only wh	en inputs are high:-
a)	AND	b)	OR	c)	NAND	d)	None of these
			*				
) Halfadd						
a)	Two inpu	its and o	neoutp	out			
b)	Two inpu	its and t	wooutp	outs	70		
c)	Threein	putsand	l two ou	tputs			
d)	Threein	putsand	l one ou	tput			*
Q28	Forcheck	king of in	sulatio	n res	istance, we	noodo	A
a)	6A multi	meter		-	b)	19 1/	multi meter
c)	500 V me				d)		of these
		00			w	Ally	orthese
Q29)	The elect	romotiv	e force i	e:-			04.1
a)	Atorque						
b)	Aforceex	perienc	ed by ar	elect	tromagnet		
c)	The force	between	two cu	rrent	carrying	on direct	
d)	The volta	ge prodi	iced by	a volt	agesource	onducu	ors
Q30)	The efficie	novofo	+man au	.:	. 12		E
a)	Independ	ent of la	cransn	118810	n line is:		A 2
b)	Increase	with doo	au maaaa ir	. 1	- 6		
c)	Increase	with the	iparaaa	i ioad	p.r.		
d)	Decrease	with the	increas	se in l	oad p.f.		V
()27)					- 1		Section .
Q31)		a form o	f:-				
a) c)	Potential				b)	Kinet	icenergy
C)	Staticene	rgy			d)	None	of the above
Q32)	When two emf of the	batteri	es of ur	ili he	l voltages	are con	nected in parallel, the
a)	emf of the	small ba	tterv		oqual to.		
b)	emf of the	large ba	tterv				
c)	average en	nfofthe	two has	terie	q		
d)	addition of	theem	anf+ho	two	etterios		
		THE CITY	01 0110	-	ge 5		
	-0 -1 0 11 -15 100		1000	THE REAL PROPERTY.			

10-10-20-14

433	phases of	6 40 W,	ase, 4 wire	i 200 V supply.	V ratings If the ne	are conr	ected in differen e breaks, then the
			se first will		at one no	aurar wii	c oreaks, then the
a)	200 W	b)	40 W	c)	100 W	d)	alllamps
	becomes.	dition	of maximu	n powe	r transfer	the effic	iency of the cirçui
a)	25%	b)	50%	c)	75 %	d)	100%
	resistanc	of cells e of eac	is connecte	ed in o	pposition	If the	sistance of 4 ohm emf and interna- tively, the current
a)	0.6	b)	0.75	c)	1.0	d)	2.0
	resistance	ic heat e of 0.5	er of 200 V Ω/m. The	, 1000 require	W rating	g uses a of wire wi	nichrome wire of
a)	400 m	b)	50 m	c)	80 m	d)	200 m
Q37) a)	A delta connection 1/3 ohm	onnect n. This b)	ion of 1 oh star connec 2/3 ohm	ction w	each bran ill have va 1 ohm	ch is con lue in ea d)	nverted into star chbranch:- 3 ohm
Q38) a)		of 30 M	MW is to be	transm	nitted over	r a distar	nce of 160 km the
av	33 KV	D)	66 kV	c)	110 kV	d)	220 kV
Q39) a) b) c) d)	current on voltage on current, vo	lly ly oltage a	and frequent frequency	cy and sho	ort circuit	current	
Q40)	In a transi increases,	former the cor	operating	at cons	tant volta	ge, if the	input frequency
a)	increases		b)	decre	eases		.*5
c)	remains co	nstant	d)	incre	ases as sq	uare of t	he frequency
				Page			
				Lago			

STATE OF THE PERSON

Q41)	The nuclear power plants have:-	
a)	high initial cost b) high maintenance cost	
c)	low operation cost d) all of the above	1
Q42)	Shunt Capacitors in a sub-station:	The second second
a)	consume lagging VARs b) deliver lagging VARs	
c)	consume active power d) deliver active power	-
Q43)	The total impedance of the earth continuity conductor (ECC) should be:-	STATE OF THE PARTY
a)	0 ohm b) 1 ohm c) 10 ohm d) ∞ohm	
Q44)	Hydro-generators are generally employed to run at:	
a)	500 rpm b) 1000 rpm c) 1500 rpm d) 3000 rpm	
Q45)	Induction generators deliver power at:	
a)	leading power factor only	
b)	lagging power factor only	
c)	leading as well as lagging power factor	
d)	unity power factor only	
Q46)	An SCR is:	
a)	three layer three terminal device	
b)	three layer four terminal device	
c)	four layer three terminal device	3
d)	four layer four terminal device	
Q47)	Rewireable fuse has:	C. C. C. C.
a)	inverse time current characteristic	
b)	linear time current characteristic	100000
c)	square law time current characteristic	
d)	none of the above	
	and the distriction of the distr	
	For the protection of a very long extra high voltage line, the protective relay used is:	200000000000000000000000000000000000000
a)	over current with extremely inverse characteristics	
b)	percentage differential relay	0
c)	reactance type distance relay	1
d)	mho type distance relay	A CONTRACTOR
	Page 7tt	
	· · · · · · · · · · · · · · · · · · ·	

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of traction to see

Q57)	Buchholz relay is placed:	1		
a)	in between the conservator a	nd the t	reatn	ier
b)	in between the tank and the	conserv	ator	
c)	in between the h.v. winding a	ind the	bushii	ng
d)	in between the l.v. winding a	nd the b	usnin	ig
Q58)	Earth wires are made of:		- 1	100000000000000000000000000000000000000
a)	copper		b)	aluminium
c)	iron		d)	galvanized stranded steel
Q59)	In a cable faults occurring ar	·e · -	b) -	short circuit fault
a)	open circuit fault		d)	all of above
c)	earth fault		a)	anorabove
Oco)	Public Sector Underta	king a	ssoci	iated with erection and
(400)	commissioning of thermal p	ower pl	antsi	n India is:
a)	Bharat Coking Coal Ltd.		- 00	
b)	National Thermal Power Co	rporati	on Lto	d.
c)	Indian Electricity Authority	7		
d)	Department of Science and	Technol	ogv	
w				
	GENERA	AL KNO	WLE	DGE
061)	The Char Minar is in:			
a)	Ahmedabad	b)	rat	ehpur Sikri
c)	Ahmedanagar	d)	Hyd	derabad
	1790367000 120X-D0000 130-0000 100 10		10,000	
Q62)	Who was the first woman to	becom	e the	Prime Minister of a country i
	the world:			
a)	Benazir Bhuto	b)	Ind	ira Gandhi
c)	Margaret Thatcher	d)	Siri	mavo Bandaranaike
20004			ndin	India as a National Holiday?
Q63)	Which of the following is no	topserv	eum	August
a)	26th January	b)	Ond A	October
c)	5 th September	d)	2	October
Oc.	The most ancient musical in	nstrum	entan	nong the following is:-
Q64)	Sarod b) Tabla	c)	Vee	ena d) Sitar
a)	Sarod b) Tabla	C)		1000
Š	1	- Indiana	oil	
-		1100	1£3	

Q65)	Which of th	ne foll	owingis	not a class	sical da	ance?		
a)	Kathak	b)	Kuchi	pudi	c)	Garbha	d)	Odissi
Q66)	The world	famou	s Khaju	raho Scul	otures	are located	in:-	
a)	Gujarat			. 4	b)	Maharas		3
c)	Madhya P	radesl	1		d)	Orissa		
Q67)	Where is th	ne Nat	ional De	efence Aca	demys	situated?		
a)	Wellington	1			-b) -	New Dell	ni	
c)	Dehradun		1		d)	Kharagw	asla	
068)	The state v	rith ar	nallost n	onulation	in Ind	io io'.		
a)	Sikkim	b)	Goa	c)		oram d)	Mon	halaya
a	SIRKIII	U)	Goa	C	IVIIZ	oram u	Meg	ilalaya
Q69)	The birthd	ay of v	which of	the follow	ing lea	ders is obse	erved as	Children's
a)	Mrs. Indire	Gan	dhi	77.12	b)	Mahatma	a Gandl	ni
c)	Atal Bihar	і Вајр	ai		d)	Jawahar	Lal Nel	hru
Q70)	ISI stands	for:-						
a)	Internation	nal St	andards	Institute				0 1
b)	Indian Sta	tistica	l Institu	ite				
c)	Indian Sta	ndard	s Institu	tion				
d)	Indian Ser	vices I	nstitute	L				
Q71)	In the num missing nu 2, 8, 26, 80,	mber	from am				sing. F	and out the
a)	120	b)	160	c)	222	d)	242	
				Page 1				

			levision:?		The same of the sa			
a)	Electrici				b) Tr	ansmis	sion	
c)	Entertai	nment			d) Ar	ntenna		
Q73)			questions, Thich one is			words	three a	re alike in
a)	Circle	b)	Ellipse	c)	Sphere		d)	Cube
Q74)	Four gro		etters are g	iven. '	Three of the	ose hav	e some	similarity.
a)	cf	ь)	ps	c)	wy	d)	LO	
	the follow	ving sta	of Q and R. itement can				father	Which of
a)	Q is T's S			b)	Tis Q's F	ather		
c)	S is P's M	other	207	d)	PisS'sS	on	. 20	
Q76)	Find from series: 5, 11, 23,		ternatives t	he mis	sing numbe	er which	càn co	mplete the
a)	63	b)	70	c)	95	d)	98	
Q77)	If CAT is code?	writte	n as BZS.	how ca	n AUNT be	e writte	n using	the same
a)	ZIMS	b)	ZTMS	· c)	BVOU	d)	AVC	U
Q78)	Choose th	ne odd n	nan out:-					
a) -	Meter	ь)	Yard	c)	Mile	d)	Acre	
Q79)	In the fol alternation begins the TOR(_	ves in t e secon		sert th	e group of uch that it	letters f comple	rom an	nongst the first and
a)	CK	b)	CH	c)	ESS	d)	KS	
Q80)	Rootisto	plant a	s	is to h	uman hein	a:-		
a)	Bone	b)	Blood	c)	Heart	d)	Pane	waaa
	MM (MC 800 No.)	57	10000	Page 1		- 007	I HIIO	1022

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Marie Brigardia (1984)

ENGLISH

If y	rection (Q 81 – 85): Rea at follows by choosing the you eat good food and he getables, fruits and dri u should also wear clear	ave a clo nk milk n clothe	ean body yo . You shoul s. Lalit is a	ve. u will be h ld sleep for	ealthy. r eight l	You should nours everyd	eat
CUL	tes a bath. He has egg, thes. Lalit is very healt	milk an	d fruit for b	reakfast.	He alwa	ays wears cle	ean
Q8	1) What should you do t	o he hee	lthy?				N 2
a)	eat only vegetables	b)		ood and b-	wo e -1	11	
c)	drink only milk	d)	eat only f	ood and ha	ive a cle	an body	
SUSPENIOR STATES		327		ulto		2.0	
Q82	2) How long should you	sleep ev	eryday?			v	
a)	for eight hours		b)	for six h	ours		
c)	for seven hours		d)	for ten h			
Q83	B) When does Lalit wake	aun?					
a)	late	cup.	ь)		1		
c)	early		d)	after six			
			w	after eig	nt nour	S	
Q84) Why is Lalit a good bo	v?					ĺ
a)	He takes a bath		ь)	Heeatg	and face	r X	-
c)	He wears clean cloths		d)	Allofthe		E.	٠ ا
	Commission of the Commission o						
Q85) Which word in the pas	sageist	he adjective	al form of	health!	×.	1
a)	clean b) hea	lthy	c)	wear	d)	early	İ
Dire orep	ction (Q86 – 90): Fill in ositions from the option	the blan as given	nks with app below.	propriate a	articles	determiners	8/
	Umanglives					Α,	
()	at b) for		c) in				1

a)		1.1	aeropla		41.		d)	one
	an .	b)	а	c)	the		a)	one
Q88)	She is going	ξ	ар	ark.				
I	at	b)	on		to		d)	in
Q89)	For one wee	ek he s	tayed as		gr	iest.		
a)		b)		c)			d)	ours
Q90)	I met		. soldier yes	sterda	y.		*****	mer nin
	the	b)		c)	one		d)	an
Q91)	CRUEL							
	in capitals.		Choose the				8	×
a)	Kind	b)	Unkind		c)	Soft	d)	Comic
	-							
Q92)	GROWTH							F2
a)	Dislike	b)	Decline		c)	Sorrow	d)	Poor
Q93)	FAIR							
a)	Foul	b)	Cheap		c)	Humble	ď	Weak
Q94)	DISTANT							
						Humble	d)	Near

MONTHS OF BUTTER COLORS