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1.	Granite is an example of type of rocks.											
	(A)	Igneous rocks			(B)	Sedi	imentary rocks					
	(C)	Metamorphic re	ocks		(D)	Non	e of these					
2.	The	main reason for t	using	stones in bu	ilding	work	s is its :					
	(A)	Good appearan	ice		(B)	Resi	stance to fire					
	(C)	Low water abso	orptio	n	(D)	Dur	ability					
3.	In th	ne manufacture of	f brick	s, a pug mi	ll is us	sed fo	r ;					
	(A)	Proportioning of	f ingr	redients	(B)	Tem	pering					
	(C)	Blending			(D)	Digg	ging					
4.	The	initial setting tim	e of o	rdinary cem	ent sh	nould	be less than :					
	(A)	10 minutes	(B)	1 hour		(C)	10 hours	(D)	30 minutes			
5.	The age of a tree can be determined approximately from the :											
	(A)	Medullary rays			(B)	Hard	d wood					
	(C)	Size of the trun	k		(D)	Ann	ual rings					
6.	It is	a moulding provi	ided τ	ınder nosing	g to be	eautify	the elevation of	the st	ep:			
	(A)	Scotia .	(B)	Flier		(C)	Line of nosing	(D)	Winders			
7.		is the sur	face o	f the abutm	ent or	n whi	ch the arch rests.					
	(A)	Keystone	(B)	Voussoirs		(C)	Skewback	(D)	Springing stone			
8.	A w	indow projecting	outw	ard from th	e wal	ls of a	room is termed	as a _				
	(A)	Bay window			(B)	Corr	ner window					
	(C)	Dormer window	V		(D)	Gabl	e window					
9.	The	lower edge of the	incli	ned roof sur	rface o	of a pi	itched roof is terr	ned as				
	(A)	valley	(B)	eaves		(C)	ridge	(D)	hip			

27.	A fi	xed point of refer	ence of	known el	evatio	n is ca	illed :			
	(A)	change point	(B)	station po	int	(C)	bench mark	(D)	datum	
28.		imaginary line ta illed :	ngentia	I to the lon	gitudi	inal cu	rve of the bub	ble tube	at its middl	le poin
	(A)	Axis of telescop	e e		(B)	Axis	of level tube			
	(C)	Level line			(D)	Line	of collimation		comp. it.	
29.	The	collimation meth	od for	obtaining (	he rec	duced	levels of point	s does n	ot provide a	a checi
	(A)	foresight			(B)	back	sight			-65
	(C)	change point	17: 1		(D)	inter	mediate point			
30.	The calle	method of surveyed:	ying in	which field	l work	c and p	olotting work	are done	simultaneo	usly, i
	(A)	Compass surve	ying		(B)	Level	lling			
	(C)	Plane tabling			(D)	Chair	n surveying			
									11 0	
31.	It is failu	the property of a re :	materi	al due to w	/hich i	it can i	undergo perm	anent de	formation w	vithou
	(A)	plasticity	(B)	stiffness		(C)	formability	(D)	toughness	
32.	Pick	up the wrong sta	atemen	i gragitod					Sub-Co	
	(A)	Two stroke eng			v direc	tion.				
	(B)	In four stroke er					ned in four str	okes.		18
	(C)	Thermal efficien		-					enging.	
	(D)	Petrol engines of								4
33.		el engine can wor work on such a l				ratio o	f the order of 3	81:1. A	petrol engi	ne car
	(A)	it is properly de	signed		(B)	best q	quality fuel is u	sed		
	(C)	cannot work as	it is im	possible	(D)	fly w	heel size is pro	per		

34.	The	presence of refle	ector in	nuclear po	wer p	olants	results in :		
	(A)	increased prod	luction	of neutrons	5				
	(B)	complete absor	rption	of neutrons					
	(C)	controlled prod	duction	of neutron	s				
	(D)	decreased leak	age of	neutrons					
35.		differential with ring gear to rotat		ratio of 4:	1 the	drive	pinion would	revolve	four times to cause
	(A)	one time	(B)	two times		(C)	four times	(D)	six times
36.	Elect	trical conductivi	ty of i	nsulators is	the ra	ange _			
	(A)	$10^{-10} (\Omega - mm)$	1)-1		(B)	10-	$^{10} (\Omega - cm)^{-1}$		
	(C)	10 <sup>-10</sup> (Ω-m)	-1		(D)	10-	$^{8} (\Omega - m)^{-1}$		
37.	The	resistivity of sen	ni-cond	luctors at ro	om te	mper	ature is:		
	(A)	1000 to 1500 ol	hm-c	m	(B)	0.01	to 50 ohm - cn	n	
	(C)	109 to 1012 ohn	n-cm		(D)	1.6×	10 <sup>6</sup> to 100×10	)6 ohm-	-cm
			MIL						
38.		ument used for	angula	r measurem					
		protractors			(B)		ier bevel protra	ctors	
	(C)	dial bevel protr	ractors		(D)	all o	f the above		
39.	Whic	h saw is suitable	e for c	urve cutting	?				
	(A)	cross cut saw	(B)	tenon saw		(C)	rip saw	(D)	compass saw
40.	Meta	l used to make t	he blac	de of a chise	l is :				
	(A)	carbon steel	(B)	steel		(C)	forged steel	(D)	high carbon steel
41.	Prop	erty of fluid by v	which	its own mol	ecules	s are a	ittracted is calle	ed :	
	(A)	Adhesion	(B)	Cohesion		(C)	Viscosity	(D)	Surface tension
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{P.T.O.}

	The	unit of kinen	natic viscos	ity are:						
	(A)	m <sup>2</sup> /sec	(B)	kg-sec/m		(C)	Newton-sec	/m (D)	Nm/sec	
43.	Bern	oulli's equat	ion deals w	rith the law	of co	nserv	ation of :			
	(A)	Mass	(B)	Momentu	m	(C)	Energy	(D)	Force	
44.	In a	reciprocating	g pump, air	vessels are	e used	to:				
	(A)	Reduce the			(B)	Incre	ease the deliv	ery head		
	(C)	Smoothen (	he flow	n Sont yo	(D)	Redi	uce the accele	ration he	ead	
45.		phenomenor nown as :	of rise or f				ative to the ad		neral level of liq	uic
	(A)	Surface ten	sion (B)	Cappillari	ty	(C)	Compressibi	ility (D)	Elasticity	
46.	poin		the flowing		any giv low	ven ir (C)	ustant of time, Uniform flo	the flow w (D)	and direction, fr is said to be : Rotational flo	
	Con						are treated to ear	t to brook	invhicato dism	
47.	COH	tinuity equat	ion :				over object was		and filter word	
47.	(A)	tinuity equat expresses th		between er			ork		sne filmel exer V et eruffanite	
47.		expresses th	ne relation		nergy a	and w		beg	y or multiports	
47.	(A)	expresses th	ne relation momentum	per unit v	nergy a	and w	ork wo points on	a stream	y or multiports	
47.	(A) (B) (C)	expresses the relates the relates mass	ne relation momentum s rate of flo scharge thr	per unit v	olume stream	and w for to tube	ork wo points on apering pipe	a stream	line differen	
48.	(A) (B) (C) (D)	expresses the relates the relates mass	ne relation momentum s rate of flo scharge thr	per unit v w along a ough a lon	nergy a olume stream g, stra	for to tube ight t	ork wo points on apering pipe	a stream	line stresson	
	(A) (B) (C) (D)	expresses the relates the relates mass constant dis	ne relation momentum s rate of flo scharge thr	per unit v w along a ough a lon	nergy a olume stream g, stra	for to tube ight t	wo points on apering pipe	a stream	line stresson	
	(A) (B) (C) (D)	expresses the relates the relates mass constant discussions turbine is	me relation momentum s rate of flo scharge thr : turbine	per unit v w along a ough a lon	nergy a olume stream g, stra	for to for to tube ight to a rea	ork wo points on apering pipe	a stream	line stresson	
	(A) (B) (C) (D)  Fran (A) (C)	expresses the relates mass constant discis turbine is an impulse a tangential	me relation momentum s rate of flo scharge thr : : turbine	per unit vow along a long a lo	olume stream g, stra (B) (D)	for to for to tube ight to a rea an as	wo points on apering pipe action turbine	a stream	line stresson	
48.	(A) (B) (C) (D)  Fran (A) (C)	expresses the relates mass constant discis turbine is an impulse a tangential	me relation momentum s rate of flo scharge thr : : turbine I flow turbine	per unit vow along a cough a lon	olume stream g, stra (B) (D)	for to for to tube ight to a rea an ar	ork wo points on apering pipe	a stream	line distribute	

50.	A centrifugal pump discharges 260 litres of water per second when running at 600 rpm. The impeller diameter at the outlet is 80 cm. It develops a head of 15.3. What is the approximate minimum starting speed?											
	(A)	425 rpm	(B)	450 rpm		(C)	475 rpm	(D)	500 rpm			
51.	Mair	ch of the follo	wing is r	oot a marine	pollu	tant?						
31.			wang is i	100 0 21002110	(B)	plas						
	(A) (C)	dissolved ox	vgen		(D)		f the above					
	(-)		, 0						9			
52.	Whie	ch of the follo	wing sta	tements abo	ut the	fores	is not correct	?				
	(A)	forest reduce	s soil er	osion	(B)	prov	ides recreation	nal oppo	rtunities			
	(C)						of the above					
53.	Defo	orestation gene	erally de									
	(A)	rainfall	(B)	soil erosio	n	(C)	draught	(D)	global warming			
54.		major cause f soil erosion					try is : water loggin	g (D)	none of the above			
55.	The	main disadva										
	(A)	top level exe	cutives l									
	(B)	structure is							d seemon o			
-	(C)	communical	tion dela	ys occur			1471111111111111					
	(D)	all of the ab	ove		1911				communication again			
56.	In th						anagement are					
	(A)						ommodating e	mployee	S Consisted and america			
	(B)	36.					g employees					
	(C)		Desire to the second second				nmodating em					
	(D)	monitoring,	suggest	ing, journali	ng an	d acco	ommodating e	mployee	5			
57.	CPN	M has following	ng time e	stimate:								
	(A)		A STATE OF THE PARTY OF THE PAR		(B)	two	time estimate					
	(C)				(D)	fou	r time estimate	2				
	(-)		STREET, STREET,		25.036							

58.		ording to Rowa ges will be :	ın plan	if H= hour	ly rat	te, A	= actual time a	nd S=	standard time	, then
	(A)	HA			(B)	HA	+[(S-A)/S]H	A		
	(C)	HA+[(S-A)	/2JH		(D)	НА	+[(S-A)/2S]I	HA		
59.	Whi	ich of the follow	ving is	not wage ince	entive	e plan	n ?			
	(A)	Differential p	iece rat	e system	(B)	Roy	van plan			
	(C)	Taylor plan			(D)	Hal	sey plan			
60.	11 41000	ical path on PEl		M chart is ob	taine	d by	joining the ever	nts havi	ng:	
	(A)	maximum sla	ck		(B)	min	imum slack			
	(C)	average slack			(D)	juda	gement and exp	erience		
61.	Sun	emocition theor	om ic o	occupially. Iv.						
		erposition theor Duality			sea o					
	(A)	Duality	(B)	Linearity		(C)	Reciprocity	(D)	Non-linearit	y
62.	The field	number of turn would be	s and t	he length of	a sole	enoid	both are doub	led. Its	axial magneti	izing
	(A)	doubled	(B)	halved		(C)	unaffected	(D)	quadrupled	
63.	curre	n a rectangula ent is :		ige is applie				avefori	m of its char	ging
	(A)	sinusoidal	(B)	saw tooth		(C)	rectangular	(D)	none of the al	bove
64.	A ho	llow insulated ic field at the co	conducentre of	ting sphere I the sphere if	has a	posi	tive charge of is 2 meters?	10 μC.	What will be	the
	(A)	5 μC/m <sup>2</sup>	(B)	40 μC/m <sup>2</sup>		(C)	$20~\mu\text{C}/\text{m}^2$	(D)	zero	
65.	The e	electric field on	equipo	tential surfac	e is _					
		parallel to surf				infini	ty			
	(C)	perpendicular t	to surfa	ice (		zero				
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66.		self inductance of of 10000 turns, the						the flux	is lin	ked with a second
	(A)		(d. 8)	3H		(C)	15 mH		(D)	12.5 mH
67.	RMS	S value of current			528 t -	+ 60°)	:			
		8A		15A .					(D)	10A
			3-5							
68.	The	form factor of dc	suppl	ly voltage is	alway	vs:			14	
	(A)	zero	(B)	0,5		(C)	unity		(D)	infinite
			and.	society in i	ret	d	100	187		
69.	An	RL circuit has Z=	= (6 + j)	8) ohm. Its	susce	ptanc	e is	S	iemer	ns.
	(A)	0.06	(B)	0.08		(C)	0.1		(D)	-0.08
70.	The	buidaa		etric loss of					surec	d with the help of
200	(A)	De sauty							(D)	Anderson
		year bada		, whom have			and white	na trici	re i	and the state of
71.	A di	iesel power plant	is best	t suited as :				100	144	
	27.20	base load plant		Carro 13			27071			
		peak load plant			10.00		ral purpo			
					at in		3 - 21-		11201-	or Could East of Market
ori.		kWh is equal to	- 64			101	772 E		(D)	26 × 106
	(A)	860	(B)	4.18		(C)	735.5		(D)	
73.	An i	ideal current sour	ce has	zero:						
	(A)	internal conduc	tance		(B)	inter	nal resista	ance		
	(C)	voltage on no lo	ad		(D)	rippl	e			
74.	Inte	rpoles are usually			2257					
	(A)				(B)		y gauge c			
	(C)	insulation mate	rial	- /0	(D)	inter	poles do 1	not need	l wind	ling

75.		ch loss will incre creased ?	ase rap	idly as com	pared	to oth	ers, when the nu	mber o	magnetic reve	rsal
51	(A)	friction loss	(B)	copper lo	OSS	(C)	hysteresis loss	(D)	eddy current	loss
76.	Leal	kage fluxes in a	transfo	mer may	be min	imize	d by :			
	(A)	sectionalizing	and int	erleaving	the pri	mary	and secondary	vindin	gs	
	(B)	constantly coo	ling the	core						
	(C)	under rating t	he tran	sformer						
	(D)	reducing the re	eluctan	ce of the in	on cor	e to tl	ne minimum			
	9.11									
77.		ansformer worki			m effic	iency	has total losses of	of 1600	W, while opera	ting
	(A)	800 W	(B)	400 W		(C)	200 W	(D)	100 W	
78.	Salie	ent poles are gen	erally t	used on:	E. Con		le sont dans	alielo de	danie S	
	(A)	high speed pri	me mov	vers only	(B)	med	ium speed prim	e move	rs only	
	(C)	low speed prin	ne mov	ers only	(D)	low	and medium spe	eed pri	me movers onl	y
									A TO A CAMPA	
79.	If th	e slip of the roto	r of an	induction	motor	is hal	ved, the value o	frotor	reactance:	
	(A)	doubled	des		(B)	uncl	nanged		MIO-IN-IN-	
	(C)	halved			(D)	redu	iced to one four			
				1	1.1		the real way	T MUH		
80.	stan						otor resistance of ne speed at wh			
		1500 rpm	(B)	3000 rpm	1	(C)	1455 rpm	(D)	1460 rpm	10
	(-)		(-)			(-)	·P	(-)		
81.	India	an Constitution	consists	of:						
		365 articles		375 articl	es	(C)	385 articles	(D)	395 articles	-5
	1		(-)			(-)		(-)	ore articles	
82.	The	first annual con	ference	of S.N.D.I	. Yoga	m wa	s held at :			
	(A)	Kollam			(B)	Vark				
	(C)	Chempazhant	hv		(D)		vipuram			
	1-7		-		()	200000	F			

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83.	Malayala Manorama newspaper was established in :										
	(A)	1868	(B)	1878		(C)	1888	(D)	1898		
84.	Whi 1977		owing nov	el of Lalita	ambika	Anta	rjanam won t	he 'Kerala	Sahitya Av	vard' in	
	(A)	Lalithanjali			(B)	Agnisakshi					
	(C)	Kilivathililu	ide		(D)	Nisa	abtha Sangee	tham			
85.	Sadl	nu Jana Parip	alana Yog	am was fo	ounded	in:					
	(A)	1907	(B)	1917		(C)	1927	(D)	1937		
86.	Triv	andrum Publ	ic Library	was starte	ed by :						
	(A)	Col. Olcott			(B)	Col.	Edward Cad	dogan			
	(C)	Col. Munro			(D)	Col.	Macaulay				
87.	K. R	amakrishna I	Pillai, the e	editor of th	ne 'Swa	desha	abhimani' wa	s exiled fro	om Travano	ore in :	
	(A)	1907	(B)	1909		(C)	1911	(D)	1913		
88.	Dev	adasi system	was abolis	shed in Tra	avanco	re by	:				
	(A)	Gowri Parv	athi Bai		(B)	Swa	thi Thirunal				
	(C)	Sri Chithira	Thirunal		(D)	Setu	Lakshmi Bai	ı			
89.	Mus	lim Educatio	n Society v	was establi	ished ir	n :					
		1960	(B)	1962		(C)	1964	(D)	1966		
4											
90.	The	first Governo	or - Genera	al of Indep	enden	India	a was :				
	(A)	C. Rajagop	alachari		(B)	Lord	d Mountbatte	n			
	(C)	Lord Canni	ing		(D)	Dr.	Rajendra Pra	sad			
91.	Rese	erve Bank of I	índia was	established	d in :						
	(A)	1935	(B)	1947		(C)	1950	(D)	1952		
92.	The	British rule in	n India wa	s establish	ned wit	h the	battle of :				
	(A)	Panipat	(B)	Plassey		(C)	Colachal	(D)	Buxar		
	-			CANADA STR							

93.	Eng	lish education was start	ed in Trav	ancore	for the	ne first time d	uring the	reign of:
	(A)	Swathi Thirunal		(B)	Gov	vri Parvathi Ba	ai	
	(C)	Uthgradam Thirunal		(D)	Sri (	Chithira Thiru	nal	
94.		C. Sankaran Nair pres l at :	ided over t	the an	nual	session of the	Indian l	National Congress
	(A)	Lahore (B)	Gaya		(C)	Nagpur	(D)	Amaravati
95.	Min	imum age required to a	citizen to	becom	e the	President of Ir	ndia is :	
	(A)	25 years (B)	30 years		(C)	35 years	(D)	40 years
96.	In M	Malabar, the Salt Satyag	raha was le	ed by				
	(A)	P. Krishna Pillai		. (B)	K. K	Celappan		
	(C)	C. Kesavan		(D)	G.P	Pillai		
97.	The	first woman judge of th	ne High Co	urt of	Keral	a was :		
	(A)	Anna Chandi		(B)	Fatir	na Beevi		
	(C)	Leela Joseph		(D)	Suja	tha Manohar		
98.		ch one of the following ed Nations Organization		e pern	nanen	t member of	the Secur	rity Council of the
	(A)	China (B)	France		(C)	Japan	(D)	England
99.	'Ker	ala Sahitya Charitiram'	was writte	n by :				
	(A)	Ulloor S. Parameswar	a Iyer	(B)	Kun	naran Asan		
	(C)	Vallathol Narayana N	lenon	(D)	S.K.	Pottakkad		
100.	'Mat	hilukal' was written by	:					
	(A)	Ponkunnam Varkey		(B)	Kesa	v Dev		
	(C)	G. Sankara Kurup		(D)	Vaik	om Muhamm	ad Bashe	er
				-000	) -			