Maximum: 100 marks

Time: 1 hour and 15 minutes

1.	Zeroth la	w of thermodynamics defines :		
	(A)	internal energy	(B)	temperature
	(C)	enthalpy	(D)	pressure
2.	Otto cycle	e is also known as :		
	(A)	constant temperature cycle		
	(B)	constant temperature and press	sure cycle	
	(C)	constant volume cycle		
	(D)	constant pressure cycle		
3.	The Kine	matic viscosity can be defined as	the :	
	(A)	ratio of absolute viscosity to the	density of t	the liquid
	(B)	ratio of density of the liquid to t	he absolute	viscosity
	(C)	product of absolute viscosity and	d density of	the liquid
	(D)	product of absolute viscosity an	d mass of th	ne liquid
4.	The actio	n of a centrifugal pump is the :		
	(A)	reverse of a mixed flow type tur	bine	
	(B)	reverse of propeller type turbine	e	
	(C)	reverse of a radially inward flov	v reaction to	urbine
	(D)	reverse of a reciprocating pump		
5.	Basic clos	ed cycle for Gas Turbine is :		
	(A)	Carnot cycle	(B)	Rankine cycle
	(C)	Stirling cycle	(D)	Brayton cycle
6.	The quan	tity of radiation heat flux depend	s on :	
	(A)	The shape of the body only	(B)	Temperature of the body only
	(C)	Area of the body only	(D)	All of the above
7.	material			m, it is 1 m wide and 1.5 m broad of temperature of outside wall is 200°C
	(A)	1°K/W	(B)	2°K/W
	(C)	1.8°K/W	(D)	1.5°K/W

8.	According area is	g to Stefan-Boltzmann law, the total r fourth power of the absolut			unit
	(A)	equal to	(B)	directly proportional to	
	(C)	inversely proportional to	(D)	exponential to	
9.	Forging r	esults in the following:			
	(A)	reduces the mechanical properties	(B)	improves the grain flow	
	(C)	creates internal defects	(D)	all of the above	
10.	In Electri	cal discharge machining :			
	(A)	the work piece and tool must both co	onduct	electricity	
	(B)	only the work piece conducts electric	city		
	(C)	only the tool conducts electricity			
	(D)	both tool and work piece should not	conduc	t electricity	
11.	In a tensi	le test, necking starts at :			
	(A)	lower yield stress	(B)	upper yield stress	
	(C)	ultimate tensile stress	(D)	just before fracture	
12.	The fatigu	ne strength of mild steel is:			
	(A)	equal to its tensile strength	(B)	more than its tensile strength	
	(C)	equal to its yield strength	(D)	lower than its yield strength	
13.	The power	r transmitted by belt drive is designed	l on the	e basis of :	
	(A)	angle of contact on the larger pulley			
	(B)	angle of contact on the smaller pulle	y		
	(C)	average angle of contact on the two p	ulleys		
	(D)	angle of contact on the driver pulley,	wheth	er smaller or larger	
14.	Dynamom	eter is a device for measuring :			
	(A)	torque exerted by the machine			
	(B)	power developed by the machine			
	(C)	power absorbed by the machine			
	(D)	all of the above			
15.	The type o	f gears used to connect two non-paral	lel non	-intersecting shafts are :	
	(A)	straight spur gears	(B)	straight bevel gears	
	(C)	cross helical gears	(D)	spiral gears	
85/2	015	4			A

16.	Ammonia	, which is used as a common refrigera	nt, has	a normal boiling point of:
	(A)	−39.6°C	(B)	31.7°C
	(C)	−3.1°C	(D)	−33.3°C
17.	Specific h	umidity (humidity ratio) is the ratio o	f :	
	(A)	Mass of water vapour present per kg	of dry	air
	(B)	Mass of water vapour present in uni	t volun	ne of air
	(C)	Actual mass of water vapour in a giv air is saturated at the same tempera		ume to the mass of water vapour if the
	(D)	None of the above		
18.	Calorific v	value of dry wood is :		
	(A)	3400 kcal/kg	(B)	1300 kcal/kg
	(C)	9100 kcal/kg	(D)	2500 kcal/kg
19.	Reciproca	ting pump falls under the category of	:	
	(A)	Rotodynamic pumps		
	(B)	Dynamic-pressure pumps		
	(C)	Positive displacement pumps		
	(D)	All of the above		
20.	In reactio	n turbines, the pressure at the inlet o	f the tu	rbine:
	(A)	is much higher than that at the outle	et	
	(B)	is much lower than that at the outle	t	
	(C)	is equal to the outlet pressure		
	(D)	is initially lower than the outlet and	then in	ncreases
21.	Hysteresi	s loss in electrical systems is directly p	proport	ional to the:
	(A)	Frequency and flux density		
	(B)	Frequency, and flux density to the p		
	(C)	Square of frequency, and flux densit	y to the	e power 1.6
	(D)	Square of frequency, and square of f	lux den	sity
22.	If speed o	of dc motor increases with load torque,	then i	
9	(A)	Series motor	(B)	Brushless motor
	(C)	Cumulatively compounded motor	(D)	Differentially compounded motor

5

	(C)	IGBT	(I))	All of these
24.	Which of	the following statement	is correct for a con	nmo	on base transistor amplifier?
	(A)				
	(B)				
	(C)		AND DESCRIPTION OF THE PROPERTY OF THE PROPERT		
	(D)				
25.	If commo	on base current gain $\alpha =$	$0.99 , I_{CBO} = 5 \mu A ,$	I_B	= 50 μ A for a bipolar transistor, then
10	value or	collector current Ic will b	e:	- (30 文) -	a the collectivity of
	(A)	5.5 mA	(B)	4.5 mA
	(C)	5.0 mA	(D))	2.5 mA
26.	A second	order RLC series circuit	behaves like an in	duc	tive circuit :
	(A)	At resonant frequency			
	(B)	Below resonant freque	ncy		
	(C)	Above resonant freque	ncy		
	(D)	At lower half power fre	equency		
27.	3- phase	transformer combination	s which cannot be	ope	rated in parallel are :
	(A)	Star- star & delta- delt	a		
	(B)	Star-delta & delta-star			
	(C)	Star-star & star-delta			
	(D)	Delta-delta & star-star			
28.	Mho relay	is normally used for the	protection of :		
	(A)	Long transmission line			
	(B)	Short transmission line			
	(C)	Transformer			
	(D)	DC motors			
29.	A 1 mA d required t	' Arsonval ammeter has o convert it to a (0–50) V	resistance of 100 Voltmeter is :	ohn	n. The value of the series resistance
	(A)	1 k Ω	(B)	4	9.9 k Ω
	(C)	4.9 k Ω	(D)	1	0 k Ω

6

(B) TRIAC

(D) 10 k Ω

23. The power electronic switch used for a Sine-PWM inverter can be:

(A) SCR

85/2015

		tical tangencies when the equency will be:	requency of the	no	(1ZO	nca	rm	ut is	T W115	. Then	UIIC
		5.0 kHz	(B)	2.5	kH	Z					
		4.0 kHz	(D)) H2						
31.	A two por	t network is defined by the	e following equa	tion	s,	I_1 =	· V ₁ -	$0.5V_{2}$, I ₂ =	$-V_{1}+V_{2}$, Z
		rs are given by $Z = :$									
	(A)	[1 -0.5; -1 1]	(B)	[2	1;	2	2]				
	(C)	[1 -2; -1 1]	(D)	[1	2;	2	1]				
32.	A capacite	or of 10 μF is connected to a	100 V dc source	thre	ougl	ı a	serie	s resis	tance	of 10	$k\Omega$
		fully charged in :									
	(A)	0.01 s	(B)	0.1	s						
	(C)	0.158 s	(D)	0.5	s						
33.	A step up 20μsec, i	chopper supplying a load nductor current is continuou	at 500V and ing is and ripple free	out :	is 20 ne fr	700 rps	. T ency	he off of cho	time opper	of switch in kHz is	n is s:
					kH						
	(A)	20 kHz	(B)	20	KII	Z					
	(A) (C)	20 kHz 50 kHz	(B) (D)		0 kI						
34.	(C) The two inductance	50 kHz windings of a 200/100 V tr ses of 70 mH and 30 mH in	(D)	10	0 kI nect	Hz ed	in se ming	ries a $L_1 =$	nd re $4L_2$, t	sults in he coupl	net ling
34.	(C) The two inductance coefficient	50 kHz windings of a 200/100 V tr es of 70 mH and 30 mH in t is:	(D)	10	0 kI nect is A	Hz ed	in se minş	ries a $L_1 =$	nd re $4L_2$, (sults in he coupl	net ling
34.	(C) The two inductance	50 kHz windings of a 200/100 V tr ses of 70 mH and 30 mH in	(D) ansformers are different connec	10 conn ction	0 kI nect is A	Hz ed	in se ming	eries a $L_1 =$	nd re $4L_2$, t	sults in the coup	net ling
34.	(C) The two inductance coefficien (A) (C)	50 kHz windings of a 200/100 V tr es of 70 mH and 30 mH in t is:	(D) ansformers are different connec (B) (D)	connection 0.5	0 kI nect is A 5 428	Hz ed	in se minş	eries a $L_1 =$	nd re $4L_2$, (sults in the coup	net ling
	(C) The two inductance coefficien (A) (C)	50 kHz windings of a 200/100 V tr es of 70 mH and 30 mH in t is: 1 0.25	(D) ansformers are different connec (B) (D) glands are made (ii)	10 connection 0.5 0.4 from Br	0 kH nectors A 5 428 n:	Hz ed sssu	mınş	$L_1 =$	nd re $4L_2$, t	sults in the coup	net ling
	(C) The two inductant coefficien (A) (C) Among the	windings of a 200/100 V trees of 70 mH and 30 mH in t is: 1 0.25 ne following materials cable plastic	(D) ansformers are different connec (B) (D) glands are made (ii)	10 connection 0.5 0.4 from Br	0 kH nect is A 5 428 n: cass ainl	Hz ed sssu	in se ming	$L_1 =$	nd re $4L_2$, t	sults in the coup	net ling
	(C) The two inductant coefficien (A) (C) Among th	windings of a 200/100 V trees of 70 mH and 30 mH in t is: 1 0.25 ne following materials cable plastic	(D) ansformers are different connec (B) (D) glands are made (ii)	100 contraction 0.8 from Br St (iii	0 kH nectus A 5 428 m: cass ainl	Hz ed sssu ess (iv)	mınş	$L_1 =$	nd re $4L_2$, t	sults in the coup	net
	(C) The two inductant coefficien (A) (C) Among th (i) (iii)	windings of a 200/100 V trees of 70 mH and 30 mH in t is: 1 0.25 de following materials cable plastic Aluminium	(D) ansformers are different connect (B) (D) glands are made (ii) (iv)	100 contraction 0.8 from Br St (iii	0 kH nect is A 5 428 n: cass ainl	Hz ed sssu ess (iv)	minş	$L_1 =$	nd re $4L_2$, t	sults in the coup	net
	(C) The two inductant coefficien (A) (C) Among th (i) (iii) (A) (C) A voltage	windings of a 200/100 V tres of 70 mH and 30 mH in t is: 1 0.25 the following materials cable plastic Aluminium All the above (ii) (iii) & (iv)	ansformers are different connection (B) (D) glands are made (ii) (iv) (B) (D) dance $Zs = 0.3 +$	10 connection 0.8 from Br St (ii (iv j 0.4	0 kI nect as A 5 1428 rass ainl) & α Ω is	Hz ed sssu (iv)	stee	; <i>L</i> ₁ =	$4L_2$, t	ne coup	mig
35.	(C) The two inductant coefficien (A) (C) Among th (i) (iii) (A) (C) A voltage	windings of a 200/100 V tres of 70 mH and 30 mH in t is: 1 0.25 te following materials cable plastic Aluminium All the above (ii) (iii) & (iv)	ansformers are different connection (B) (B) (D) glands are made (ii) (iv) (B) (D) dance $Zs = 0.3+$ m power transfer	10 contrition 0.5 0.4 from St (iii (iv j j 0.4 from is:	0 kI nect is A 5 428 n: rass ainl) & γ) or	Hz ed essu (iv) uly	stee	; <i>L</i> ₁ =	$4L_2$, t	ne coup	mig
35.	(C) The two inductant coefficien (A) (C) Among th (i) (iii) (A) (C) A voltage Then the	windings of a 200/100 V tres of 70 mH and 30 mH in t is: 1 0.25 the following materials cable plastic Aluminium All the above (ii) (iii) & (iv)	ansformers are different connect (B) (D) glands are made (ii) (iv) (B) (D) dance $Zs = 0.3+$ m power transfer (B)	10 connection 0.8 connection 0.8 connection 0.4 connection from St (iv., iv., j.	0 kI nect as A 5 1428 rass ainl) & γ) or Ω is	Hz ed ess (iv) nly	stee	; <i>L</i> ₁ =	$4L_2$, t	ne coup	mig
35.	(C) The two inductant coefficien (A) (C) Among th (i) (iii) (A) (C) A voltage Then the (A)	windings of a 200/100 V trees of 70 mH and 30 mH in t is: 1 0.25 the following materials cable plastic Aluminium All the above (ii) (iii) & (iv) the source with source impedituded resistance for maximum	ansformers are different connection (B) (B) (D) glands are made (ii) (iv) (B) (D) dance $Zs = 0.3+$ m power transfer	10 connection 0.8 connection 0.8 connection 0.4 connection from St (iv., iv., j.	0 kI nect is A 5 428 n: rass ainl) & γ) or	Hz ed ess (iv) nly	stee	; <i>L</i> ₁ =	$4L_2$, t	ne coup	mig
35.	(C) The two inductant coefficien (A) (C) Among th (i) (iii) (A) (C) A voltage Then the (A) (C)	windings of a 200/100 V trees of 70 mH and 30 mH in t is: 1 0.25 ne following materials cable plastic Aluminium All the above (ii) (iii) & (iv) e source with source impedioad resistance for maximum 0.3 Ω	ansformers are different connection (B) (B) (D) glands are made (ii) (iv) (B) (D) dance $Zs = 0.3 + 1$ m power transferment (B) (D) ance for major so	10 contraction 0.8 0.4 from Br St (ii (iv j0.4 from is: 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.	0 kI nect as A 5 428 n: ass ainl) & γ) or Ω is 4 Ω atio	Hz ed sssu (iv) hly	stee	; <i>L</i> ₁ =	$4L_2$, t	ne coup	mig
35. 36.	(C) The two inductant coefficien (A) (C) Among th (i) (iii) (A) (C) A voltage Then the (A) (C)	windings of a 200/100 V trees of 70 mH and 30 mH in t is: 1 0.25 The following materials cable plastic Aluminium All the above (ii) (iii) & (iv) The source with source imperior load resistance for maximum 0.3 Ω 0.7 Ω The simum allowable earth resist	ansformers are different connection (B) (D) glands are made (ii) (iv) (B) (D) dance $Zs = 0.3+$ m power transfer (B) (D)	10 connection 0.8 0.4 from Br St (iii (iv ii ii : 0. 0. 0. 1) st : 5	0 kI nect is A. 5 1428 m: rass ainl) & γ) or Ω is	Hz ed sssu (iv) hly	stee	; <i>L</i> ₁ =	$4L_2$, t	ne coup	mig

A

38.	RYB. Th	voltage VRY is 400∠0 V for a b en the phase voltage V _{BN} is giv	alanced 3-ph st en by :	tar-connected load with phase sequence
	(A)	230∠90	(B)	230∠-120
	(C)	230∠-90	(D)	400∠30
39.	A 50 M synchron	VA, 22 kV synchronous gen lous reactance on the base valu	erator has 0.2 ses of 100 MVA	Pu synchronous reactance. The pu and 11 kV is:
	(A)	1.6	(B)	0.1
	(C)	4.0	(D)	0.2
40.	A thyrite	type lightning arrestor:		
	(i)	uses a Silicon Carbide based	material	
	(ii)	acts as a nonlinear resistor		
	(iii)	offers a low resistance path	to the surge ap	pearing in the line
	(iv)	returns surge back to the so	urce	
	Am	ong the above four statements.	a the Vi No	
	(A)	All are correct	(B)	(i) and (iv) are correct
	(C)	(i), (ii), and (iii) are correct	(D)	(ii), (iii) and (iv) are correct
41.	Which of	the following wood is more res	istant to white	ants?
	(A)	Teak	(B)	Sal
	(C)	Deodar	(D)	Chir
42.	A steel re modulus i	od of 2cm^2 area and 1m in h is $2 \times 10^5 \text{N/mm}^2$, the elongatio	eight is subject n of the rod wil	eted to a pull of 40000 N. If Young's ll be:
	(A)	10 mm	(B)	100 mm
	(C)	1 mm	(D)	0.1 mm
43.	The elasti	c constant which gives the rela	ation between p	ressure and change in volume :
	(A)	Young's modulus	(B)	Rigidity modulus
	(C)	Bulk modulus	(D)	Poisson's Ratio
44.	Where the	intensity of load is constant,	Bending Mome	nt will vary :
	(A)	Constant	(B)	Linearly
	(C)	Parabolically	(D)	Cubically
45.	Moment o	f Inertia of triangular section v	with base b and	height h about base will be:
	(A)	$bh^{3}/3$		$bh^3/12$
	(C)	$bh^{3}/36$		$bh^3/6$
85/9/			(D)	011. 10

46.	The shear	r stress in a circular shaft of radius	r subjecte	ed to torsion is maximum :
	(A)	at centre of shaft	(B)	at a distance r/2 from centre of shaft
	(C)	at surface of shaft	(D)	at a distance r/2 from surface of shaft
47.	A simply develops	[1] 사용 - [1] - [1	ided tran	sversely, the maximum tensile stress
	(A)	bottom fibre	(B)	top fibre
	(C)	neutral axis	(D)	no tensile stress
48.	A surface	vibrator for concrete compaction is	preferred	for all the following except :
	(A)	raft foundation	(B)	columns
	(C)	road pavements	(D)	R.C.C. slabs
49.	Maximum	gross pressure which the soil can c	arry safe	ly without shear failure :
	(A)	Gross safe bearing capacity	(B)	Net safe bearing capacity
	(C)	Ultimate Bearing capacity	(D)	Net ultimate bearing capacity
50.	Type of fo	undation suitable when the load is l	neavy and	d the soil is highly compressible :
	(A)	Mat foundation	(B)	Pile foundation
	(C)	Pier foundation	(D)	Well foundation
51.	The prope	erty of cement tested by using Lecha	telier app	paratus :
	(A)	consistency	(B)	setting time
	(C)	compressive strength	(D)	soundness
52.	The disch	arge through a V-notch varies as :		
	(A)	Н	(B)	$H^{1/2}$
	(C)	$H^{3/2}$	(D)	$H^{5/2}$
53.	Hydraulio	jump is used for :		
	(A)	increasing the depth of flow	(B)	reducing the energy of flow
	(C)	decreasing the velocity of flow	(D)	reducing the turbulence
54.	An examp	ole of steady non-uniform flow is :		
	(A)	motion of a river around bridge pie	ers	
	(B)	steadily increasing flow through a	pipe	
	(C)	steadily decreasing flow through a	reducing	g section
	(D)	constant discharge through a long,	straight	tapering pipe

55.	For steady rotational flow of a fluid Bernoulli's equation :						
	(A)	(A) cannot be derived					
	(B)	can be derived for the entire flow field					
28	(C)	can be derived only if the fluid is inco	mpre	ssible			
	(D)	can be derived only for the points lyin	g on t	the same stream			
56.	As per IS	SI, concrete should be cured under a humidity of :					
	(A)	20%	(B)	98%			
	(C)	50%	(D)	90%			
	T 1 4						
57.		cement is suitable for :	(D)	11:1			
	(A) (C)	thin structure R.C.C. structure	(B)	thick structure			
	(0)	n.c.o. structure	(D)	underwater structure			
58.	For const	ruction of structures under water, the l	ime u	sed is:			
	(A)	fat lime	(B)	quick lime			
	(C)	hydraulic lime	(D)	pure lime			
59.	Effloresce	ence is caused by :					
	(A)	low silica content of bricks	(B)	presence of alkali salts			
	(C)	high pH of water used for pugging	(D)	all the above			
60.	Stone gen	erally preferred for railway ballast is :					
	(A)	basalt	(B)	marble			
	(C)	slate	(D)	sand stone			
61.	Fluid mill	plants should be located near the :					
01.		Dairy Farm	(B)	Milk consumption area			
	(C)	Industrial area	(D)	None of these			
	25.05		2 2				
62.		ong the following is the most suited ma	terial	Approximate the second			
	(A)	Mandana Tiles	(B)	Concrete Tiles			
	(C)	Marble	(D)	Stainless steel			
63.	Which typ	e of pump is suited for transfer of raw	milk f	from reception dock to storage silos?			
	(A)	Rotary	(B)	Reciprocating			
	(C)	High pressure	(D)	Centrifugal			

64.	Cyclone se	parators are associated with	:	
	(A)	Cream separator	(B)	Drum drier
	(C)	Spray drier	(D)	Tray drier
65.	In evapora	ators used in food industry, t	ne heating medi	um used is mainly :
	(A)	Hot water	(B)	Steam
	(C)	Hot air	(D)	Hot oil
66.	Reverse os	smosis technique is mainly u	sed for :	
	(A)	Concentration	(B)	Filtration
	(C)	Separation	(D)	None of these
67.	In CIP sys	stem, protein residue is best	cleaned by :	
	(A)	Alkali	(B)	Steam
	(C)	Acid	(D)	Hot water
68.	Final stag	e of treatment in a Mechanic	al can washer i	s treatment with :
	(A)	Cold water	(B)	Sanitizer
	(C)	Warm water	(D)	Steam
69.	The leak	proofness of milk pouches ar	e tested by :	
	(A)	Squeeze test	(B)	Tear Test
	(C)	Drop test	(D)	All of these
70.	Homogen	ization divides the fat globule	es to the size :	
	(A)	$5-10 \mu M$	(B)	$< 10 \mu M$
	(C)	> 10 µM	(D)	< 1 µM
71.	The proce	ess of removal of bacteria from	n milk by centri	fugal force is called :
	(A)	Centrifugation	(B)	Bactofugation
	(C)	Fumigation	(D)	None of these
72.	Ice thickr	ness controller is used in :		
	(A)	Ice Bank Tank	(B)	Butter cold store
	(C)	Ice cream Freezer	(D)	Milk chilling room
73.	Milk cold	room is maintained at:		
	(A)	1°C	(B)	−50°C
	(C)	-20°C	(D)	20°C

74.	Double 'C	O' vat is related to :		
	(A)	Butter making	(B)	Cheese making
	(C)	Cream separation	(D)	
75.	A device	widely used for removing condensa	ate is ·	
	(A)	Condenser	(B)	Evaporator
	(C)	Steam trap	(D)	Filter
76.	The optin	num temperature for efficient home	ogenizatio	on is:
	(A)	10°C	(B)	45°C
	(C)	25 °C	(D)	65 °C
77.	The stear triple effe	n required to evaporate one kg of ect evaporator.	water fro	om milk is around — in
	(A)	0.4 kg	(B)	1.0 kg
	(C)	1.2 kg	(D)	2.0 kg
78.	AISI 304	steel consists of :		
	(A)	18% Nickel and 80% Chromium	(B)	18% Chromium and 8% Nickel
	(C)	10% Nickel and 10% Chromium	(D)	None of these
79.	The speed	of rotation in a centrifugal atomiz	or ic :	
	(A)	1000 – 2000 rpm	(B)	30,000 rpm
	(C)	50,000 rpm	(D)	6,000 - 20,000 rpm
		Read to the second	(D)	0,000 – 20,000 rpm
80.	The time -	temperature combination for HTS	ST pasteu	rization is :
	(A)	63°C / 15 seconds	(B)	63°C/30 minutes
	(C)	72°C/15 seconds	(D)	72°C/30 minutes
81.	Recently, number of	WHO - India has launched IVR :	2020 pro	ogramme to protect and increase the
	(A)	Tigers	(B)	One -horn Rhinos
	(C)	Indian Bustard	(D)	Asiatic Lions
82.	Which amo	ong the following dates is observed	as Anti –	Leprosy Day in India?
	2.22	January 30	(B)	February 15
	(C)	March 11	(D)	April 6
			, ,	

83.		ng the following was first alke award?	cinematographer	to be chosen for the prestigious Dhada
	(A)	Govind Nihalani	(B)	B.S. Lokanath
	(C)	B.C. Gowrishankar	(D)	V.K. Murthy
84.				ne 25 th anniversary of his creation by its users. Identify him from the given
	(A)	$\operatorname{Tim}-\operatorname{Berners}-\operatorname{Lee}$	(B)	Stuart Harris
	(C)	Robert Taylor	(D)	Claude Shannon
85.	Wisden's	Five Cricketer of the year o	of 2013 has been a	warded to:
	(A)	Virat Kohli	(B)	Rohit Sharma
	(C)	Shikar Dhawan	(D)	Suresh Raina
86.	Lee Kun- chairman	Market from the control of the contr	rest warrant in	a 1.4 million dollar cheating case is
	(A)	Nokia	(B)	Samsung
	(C)	LG	(D)	IBM
87.	"Jens stol	tenberg" who has been elec	ted as NATO chie	f is the former Prime Minister of :
	(A)	Norway	(B)	Russia
	(C)	Germany	(D)	USA
88.	In context	t to astronomy, "Charkilo" v	which is in news r	ecently is:
	(A)	comet	(B)	miniature planet
	(C)	meteorite	(D)	asteroid
89.	Who shar	red the Best actor National	Award of the yea	r for 2013?
	(A)	Fahed Fazil	(B)	Lal
	(C)	Suraj Venjaramoodu	(D)	Jayaram
90.	The state	which is known as 'Jwel of	'India' :	
	(A)	Meghalaya	(B)	Arunachal Pradesh
	(C)	Assam	(D)	Manipur
91.	Who was	considered as father of Den	nography?	
	(A)	Dr. Montek Singh	(B)	Jim yong kim
	(C)	Shyam Prasad Gupta	(D)	John Graund
A			13	85/2015 [P.T.O.]

92.	Who was	the viceroy of India When Congress fo	rmed?	
	(A)	Lord Curzon	(B)	Lord Delhousie
	(C)	Lord Dufferine	(D)	Lord Mayo
93.	Jallianwa	allabag Tragedy was occurred in :		
	(A)	1919	(B)	1911
	(C)	1909	(D)	1921
94.	The river	called as Ganga of Kerala :		
	(A)	Kabani	(B)	Kaveri
	(C)	Bharathappuzha	(D)	Periyar
95.	The colou	r of Red soil is due to the presence of:		
	(A)	Carbon Sulphate	(B)	Iron oxide
	(C)	Methanol	(D)	Copper oxide
96.	Inhabitan	nts of Kurinji during Sangam period is	knows	as:
	(A)	Uzhavar	(B)	Idayar
	(C)	Meenavar	(D)	Vettuvar
97.	The amen	dment of our constitution that made e	ducati	on as a fundamental right :
	(A)	86	(B)	84
	(C)	68	(D)	72
98.	The only	congress session presided by Mahatma	Gand	hi:
	(A)	Nagpur	(B)	Belgam
	(C)	Poona	(D)	Bombay
99.	Dharsana	mala was the famous work of:		
	(A)	Kumaranasan	(B)	Dr. Palpu
	(C)	Sree Narayana Guru	(D)	Ayyankali
100.	Pallivasal	Hydro Electric scheme was inaugurat	ed dur	ing the period of :
	(A)	Chithira Thirunal Balarama Varma	(B)	Dharma Raja
	(C)	Swathi Thirunal	(D)	Moolam Thirunal