

INSTRUCTIONS

(Please read carefully and comply)

- Kindly read the complete set of instructions carefully and also see the instructions on the back side of the OMR Answer Sheet and fill the details in the OMR Answer Sheet and Question Booklet.
- 2. One paragraph each in Hindi and English is given in page 1. Copying of the paragraph in the space provided in the OMR Answer Sheet (in the language as filled in the application form either in Hindi or English) in your running hand is compulsory. DO NOT USE BLOCK LETTERS.
- 3. (a) Question Booklet Serial No. must clearly be written and marked in the bubbles in the space provided in the OMR Answer Sheet.
 - (b) OMR Sheet No. should be written in the space provided in the Question Booklet.
- 4. After being instructed to open the Booklet, the candidates will open the scals. It is the responsibility of the candidate to check and ensure that the booklet contains 150 questions and start the paper from page no. 14.
- 5. The question paper comprises 150 questions and are available in congruent versions of English, Hindi, Urdu, Assamese, Bengali, Manipuri, Odia, Telugu, Marathi, Gujarati and Kannada languages. In case of any doubt or confusion, English version shall prevail.
- 6. All questions are of Objective type. There is only one correct answer to each question carrying one mark. There will be negative marking for wrong answers. For every wrong answer, 1/3 mark will be deducted.
- 7. In the event of any mistake in any question/s, candidates will not be penalized. However no corrections will be made in question/s during the examination.
- You must use Blue or Black ball-point pen only for answering. Altering of answers once entered is not permissible. Enter the answers in the Answer Sheet carefully.
- 9. Rough work, if any may be done in the Question Booklet only in the space provided at the end of the Booklet. No additional paper shall be provided.
- 10. Use of Log tables, Calculator, Slide rule, Mobile phone, Pager, Digital diary or any other electronic item/instrument, etc. is not allowed. Their use will result in disqualification.
- 11. No candidate should leave the examination hall before the final bell. The Answer Sheet as well as the Top Sheet of the Question Booklet should be handed over together to the invigilator before leaving the Examination Hall.

SECTION - I

ENGLISH

Identify the city which faced large scale destructions due to 'Hudhud' cyclone recently?

		rundamental Du constitution ?	nes or	the Indian Citi	zens ar	a incorporated if	t the it	ollowing Article o
	(A)	Article 21 A	(B)	Article 51 A	(C)	Article 370 A	(D)	Article 19 A
3.	The:	speed of sound in	n air is	s approximately	equal t	0:		
	(A)	3×10^8 m/sec	(B)	330 m/sec	(C)	5000 m/sec	(D)	1500 m/sec
l.	Hot	Wire Instrument	s read	teatricos miss				
	(A)	Peak value	(B)	Average value	(C)	r. m. s. value	(D)	None of these
5.	Strai	n Gauge is used	to cor	vert :				
	(A)	Force into displ	laceme	ent				
	(B)	Mechanical dis	olacen	nent into change	e in res	istance		
	(C)	Electric current	into l	Mechanical disp	laceme	nt		
	(D)	Sound Energy i	nto El	ectric Energy				
6.	ET	Sound Energy i			on with	ı respect to refer	ence pl	lanes will be :
6.	ET	Sace loters	rd qua	adrant, its positi		respect to refer nd V.P., Above		lanes will be :
6.	If an	object lies in thi	rd qua	adrant, its positi e H.P. (B)	Behi		H.P.	lanes will be :
	If an (A) (C)	object lies in thi Infront of V.P., Infront of V.P.,	rd qua Abov Below	adrant, its positi e H.P. (B) v H.P. (D) Behi) Behi	nd V.P., Above	H.P.	lanes will be :
	If an (A) (C)	object lies in thi	rd qua Abov Below	adrant, its positi e H.P. (B) v H.P. (D) Behi) Behi	nd V.P., Above	H.P.	lanes will be :
	If an (A) (C)	object lies in thi Infront of V.P., Infront of V.P.,	rd qua Abov Below	adrant, its positi e H.P. (B) v H.P. (D) Behi) Behi	nd V.P., Above	H.P.	lanes will be :
7.	If an (A) (C) Find	object lies in thi Infront of V.P., Infront of V.P., the value of $\frac{1}{(76)}$	Abov Below (78) ² –	adrant, its positi e H.P. (B) v H.P. (D $(68)^3 + (232)^3$ $(768 \times 232) + (233)$	Behi) Behi (C)	nd V.P., Above nd V.P., Below I	H.P. H.P.	
7.	If an (A) (C) Find (A)	object lies in thi Infront of V.P., Infront of V.P., the value of — (76	Abov Below (78) ² –	adrant, its positi e H.P. (B) v H.P. (D $(68)^3 + (232)^3$ $(768 \times 232) + (233)$	Behi) Behi (C)	nd V.P., Above nd V.P., Below I	H.P. H.P. (D)	
7.	If an (A) (C) Find (A) The (A)	object lies in thi Infront of V.P., Infront of V.P., Ithe value of — (76	Abov Below (7 8) ² - (B) West (B)	adrant, its positi e H.P. (B) v H.P. (D $(68)^3 + (232)^3$ $(768 \times 232) + (2536)$ Central Railway	Behi (C) Behi (32) ² (C) y is loca (C)	nd V.P., Above and V.P., Below I 500 sted at : Allahabad	H.P. H.P. (D)	268
7.	If an (A) (C) Find (A) The (A)	object lies in thi Infront of V.P., Infront of V.P., Infront of V.P., 1 the value of	Abov Below (7 8) ² - (B) West (B)	adrant, its positive H.P. (B) V H.P. (D) V 68) ³ + (232) ³ (768 × 232) + (2 536 Central Railway Jaipur I is 2.5, it is grad	Behi (C) Behi (32) ² (C) y is loca (C)	nd V.P., Above and V.P., Below I 500 sted at : Allahabad	H.P. H.P. (D)	268

10. If $\log_8 x = \frac{2}{3}$, then the value of 'x' is:

	(A)	$\frac{16}{3}$		(B)	4 3		(C)	12		(D)	4	
11.	A file		ontains	trans	ient data t	o be p	roces	sed in com	binatio	on wi	th a master :	file is
	(A)	Sequenti	al file			(B)	Mast	er file				
	(C)	Random	organiz	ation	file	(D)	Tran	smission fi	le			
12.	M.C. their	(Moving	Coil) a	nd M	.I. (Moving	g Iron)	type	of instrun	nents c	an be	distinguishe	ed by
	(A)	Range		(B) -	Size of ter	minals	(C)	Pointer		(D)	Scale	
13.	Com	piler and	interpre	ters a	re example	s of:						
	(A)						App	lication sof	tware			
	(C)					Halaman	~ ~	e of these				
14.	Schm	nitt trigger	r is also	know	n as :							
	(A)	Sweep c	ircuit			(B)	Block	king oscilla	tor			
	(C)	Squaring	, circuit			(D)	Stabl	e multi vib	orator			
15.		the missi		of the	following	series			ayu bee etamen			
	(A)	17		(B)	18		(C)	21		(D)	19	
				1								
16.	Find	the value	of (274	$4)^{3}$:								
		24		(B)	14		(C)	34		(D)	16	
17.	Whic	ch of the f	ollowin	g is a	presentatio	on grap	ohics	software ?				
	(A)	MS Win	dows	(B)	MS Word		(C)	MS Excel		(D)	MS PowerP	oint
18.	Find	the missi	ng term	of the	following	series						
	BZA	, DYC, FX	E,?_	, JVI.								
	(A)	HWG		(B)	HUG		(C)	WHG		(D)	GUH	
											TSD00	01414

					1	,				
19.	Wh	ich of the follow	wing is bid	odegrada	ble po	llutant	?			
	(A)	DDT	(B)	внс		(C)	Cotton cl	oth (D)	Mercu	ry
20.	Wh	o is the Chief N	Ainister of	Tamil N	Jadu ?	(As or	n 01.11.2014	4)		
	(A)				(B)		J. Jayalalith			
	(C)	Mr. Karunan	idhi		(D)		Dayanidhi			
21.	Wit	h the formation	of Telang	gana, hov	w man	y State	es are there	in our cou	ntry now	. ?
		30		29				(D)		
22.		d out the term v 33, 66, 99, 121,		ifferent f	rom ot	her ter	rms in the f	ollowing :		
	(A)	99	(B) = 3	121		(C)	279	(D)	594	
23.	Trai	nsformer cores a	are lamina	ted in o	rder to	: as lgn				
	(Λ)	Minimise edd	y current	loss	(B)	Redu	ice cost			
	(C)	Simplify its co	onstruction	ns	(D)	None	e of these			
24.	Whi	ch one of the fo	ollowing is	not a N	oble G	as?				
	(A)	Helium	(B) I	Bromine		(C)	Argon	(D)	Neon	
25.	For	which of the fol	llowing ap	plication	ns, a D	.C. mo	otor is prefe	erred over a	n A.C. m	otor ?
	(A)	Variable speed	d operatio	n	(B)	High	speed ope	ration		
	(C)	Low speed op	peration		(D)	Fixed	l speed ope	eration		
26.	The	nucleus of an a	tom cener	ally cor	stains :					
		Protons and N		uny, cor	(B)		ons and Ele	atrona		
	(C)	Electrons and			(D)			CHORS		
27.	The	language which	a compu	ter can u	inders	tand ic	B) - 14 (8			
	(A)	High Level La			(B)		ine Langu	arre		
	(C)	Assembly Lan	0 0		(D)		f these			
28.	A fo	ur stroke petrol	engine th	eoretical	ly one	rates o	n '			
	(A)	Joule cycle	0		(B)	Otto				
	(C)	Brayton cycle			(D)		oleman cyc	·le		

(D) Protozoa

TSD001414

(B) Mollusca (C) Annelida

(A) Arthropoda

							Λ -	day	3 44		
						01	N2 4	2 11			
					18		(PZ	17			C
40.	Whe com wor	en Ram and plete this v k?	Mohan wo vork in 12	ork togethe days then	er, they in how	comp w ma	olete a wo	NY Ork in 4 Mohan	days. alone	. If Ram can com	alone car
	(A)	10 days	(B)	8 days		(C)	6 days		(D)	16 days	mni a
41.	A si unit	mply suppo length. The	orted beam e maximum	of length l bending	L is loa momen	ded v t will	vith a unil be :	formly (distrik	outed load	d of ω pe
	(A)	$\frac{\omega L^2}{4}$	(B)	$\frac{\omega L^2}{8}$		(C)	$\frac{\omega L^2}{2}$		(D)	ωL ²	
42.	Fins	are provide	ed on heat t	ransferrin	g surfac	e in e	order to ir	ncrease	Gr.		
	(A)	Heat trans					l transfer				
	(C)	Temperati	ire gradien	t	(D)	Mec	hanical st	rength (of the	equipme	nt
43.	For	perfectly ela	stic bodies.	the value	of coeff	ficient	of restitu	tion is:			
		zero	(B)	0.5	Malan	(C)	1.0		(D)	0.25	
44.	Whi	ch one of th	e following	is not a se	calar qu	iantity	v ?				
		Volume	(B)	Mass			Force		(D)	Length	
45.	Find	the average	e of all prin	ne number	s betwe	en 30	and 50 :				
	(A)		(B)						(D)	38	
46.	In ar	n examinatio he examina	on, 35% of th	ne student:	s passec	d and	455 failed	. How	many	students	appeared
	(A)	700	(B)	1300		(C)	845		(D)	1250	
47.	Find	the L.C.M.	of 148 and	185.							
	(A)	680	(B)	740		(C)	2960		(D)	3700	
48.	A 4	- pole, 1500	r.p.m. alter	nator will	genera	le e.n	r.f. at :				
	(A)	20 Hz	(B)	60 Hz			40 Hz		(D)	50 Hz	
49.	ever	ı examinati y wrong ans ber of quest	wer. If he	attempts in	n all 60	or ev quest	ery corrections and s	et answ secures	er and 130 m	H loses 1 arks, then	mark for a find the
	(A)		(B)	48		(C)	36		(D)	38	
TSD	00141	14									

- 19 CC Ampere second is the unit of: 50. (B) Power (C) Voltage (A) Charge One side of a rectangular field is 15 metres. The length of diagonal of this rectangular field is 17 metres. Find the area of this rectangular field. (C) 255 m^2 (D) $144 \frac{1}{2} \text{ m}^2$ 60 m^2 (A) 120 m^2 The resultant of two forces P and Q acting at an angle θ_{ℓ} is given by : (B) $\sqrt{P^2+Q^2+2PQ\sin\theta}$ (A) $\sqrt{P^2+Q^2+2PQ \tan \theta}$ (D) P+Q+2PQ tan0(C) $\sqrt{P^2+Q^2+2PQ\cos\theta}$ 53. Power Loss in a resistor is given by: (B) $P = \frac{V}{I}$ (C) $P = \frac{I^2}{R}$ (D) $P = \frac{V^2}{R}$
 - 54. If the cost of 'x' metres of wire is 'd' rupees, then what is the cost of 'y' metres of same wire?

 (A) $\frac{yd}{x}$ (B) $\frac{xd}{y}$ (C) $\frac{xy}{d}$ (D) $\frac{d}{xy}$
 - 55. Primary storage in computer terminology refers to:
 - (A) Hard Disc Drive
 - (B) Random Access Memory (RAM)
 - (C) Read Only Memory (ROM)
 - (D) The storage device where the operating system is stored
 - 56. Which of the following flip-flops is used as Latch?

 (A) JK flip-flop (B) RS flip-flop (C) D flip-flop (D) T flip-flop
 - 57. _____ will translate the complete programme at once from a high level language to the
 - machine language.

 (A) Compiler (B) Assembler (C) Joystick (D) Bus
 - 58. Which of the following is a prime number?
 - (A) 33
- (B) 87
- (C) 93
- (D) 97

of

59.	The	total number of	bones	in the average a	dult h	uman skeleton is	s:	
		350		206			(D)	540
60.	Wat	er has its maxim	um de	ensity at:				
	(A)	0°C .	(B)	100°C	(C)	50°C	(D)	4°C
61.	Whi Auto	ch of the followi omobile Engines	ng pro	ocesses is generall	ly used	d for mass produ	action c	of connecting rod
	(A)	Sand Casting	(B)	Cold Heading	(C)	Forging	(D)	Spinning
62.	Wha	it is the General	formu	la of Alkanes ?				
	(A)	C_nH_{2n+2}	(B)	C_nH_{2n}	(C)	C_nH_{2n-2}	(D)	C_nH_{2n+4}
63.	A ga	ite in which all in	nputs	must be high to a	get a lo	ow output is:		
		An inverter			(C)		(D)	NAND gate
64.	Whi	ch of the following	ng An	aplifiers produces	s the le	east distortion?		A (A-7 + (A)
	(A)	Class A	(B)	Class B	(C)	Class AB	(D)	Class C
65.	Cycl	o converter conv	erts:					
	(A)	AC to DC						
	(B)	DC to AC						
	(C)	A fixed AC to a	a varia	ible magnitude A	C			
	(D)	A fixed DC to a	a varia	ible magnitude D	C			
66.				or cement from	a fres	hly mixed concr	ete is k	nown as :
	(A)	Segregation	(B)	Creeping	(C)	Bleeding	(D)	Flooding
67.	The	value of binary 1	111 is					
	(A)	23		$2^3 - 1$	(C)	2^4	(D)	$2^4 - 1$
68.	The 1	oad which does	not ch	ange its magnitu	de and	d position with t	time is	called ·
		Live load	(B)	Dynamic load			(D)	Dead load
69.	Find	the missing term	of the	e following series				
		27, 16, _ ?_, 36,		0 22200				
		25	(B)	216	(C)	64	(D)	125

70.	The e	entropy of univers	se tend	ds to be :				
	(A)	Minimum	(B)	Zero	(Ç)	Average	(D)	Maximum
71.	Amn	nonia is prepared	comn	nercially by the :				
	(A)	Oswald process	(B)	Hall process	(C)	Contact process	(D)	Haber process
72.	A bu	illet is fired verti ht reached by the	cally 1 bullet	upwards with a v	velocit -9.8 n	ty of 196 m/sec. n/sec ²)	What	t is the maximum
	(A)	1960 m	(B)	196 m	(C)	980 m	(D)	490 m
				2 2				
73.	If $\frac{x}{y}$	$=\frac{6}{5}$, then find the	ne val	ue of $\frac{x^2 + y^2}{x^2 - y^2}$:				
	(A)	11	(B)	<u>61</u>	(C)	11 5	(D)	6
74.	Gou	tam Buddha deliv	vered	his first sermons	at:			
	(A)	Kusinagar	(B)	Sarnath	(C)	Pataliputra	(D)	Vaishali
75.	The	'Quit India Move	ement'	was launched in	the y	rear:		
	(A)	1920 A.D.	(B)	1930 A.D.	(C)	1942 A.D.	(D)	1946 A.D.
76.		en a body is who weight of the flui					ices ai	n upthrust equal to
	(A)	Pascal's princip	le	(B)	Arcl	nimedes principle		
	(C)	Stoke's law		(D)	New	vton's Laws of Mo	otion	
77.	Disi	infection of drinki	ing wa	ater is done to rer	nove :			
	(A)	Odour	(B)	Bacterias	(C)		(D)	Colour
78.	Pro	jection of an objec	et sho	wn by three view	s is kr	nown as :		
	(A)	Perspective	(B)	Oblique	(C)	Orthographic	(D)	None of these
79.	The	· United Nations l	Day (1	J.N.Day) is celebr	rated	every year on :		
	(A)		(B)	Nov 14	(C)		(D)	Oct 24
								TSD001414

8	22
Ö	If t _o , t _p and t _m are the optimistic, pessimistic and most likely time estimates of an activities respectively, then the expected time 't' of the activity will be:
	(A) $\frac{t_o + t_p + t_m}{3}$ (B) $\frac{t_o + t_p + 3t_m}{5}$
	(C) $\frac{t_o + t_p + 2l_m}{4}$ (D) $\frac{l_o + t_p + 4t_m}{6}$
81	Modulus of Rigidity (C) and Bulk Modulus (K):
	(A) $E = \frac{KC}{K+C}$ (B) $E = \frac{2KC}{2K+C}$ (C) $E = \frac{9KC}{3K+C}$ (D) $E = \frac{3KC}{K+2C}$
82.	Who is the winner of Mens Singles Title in Tennis in US open, 2014?
	(A) Roger Federer (B) Kei Nishikori
	(C) Marin Cilic (D) Rafael Nadal
02	
83.	The elements which have same mass number but different atomic numbers are known as:
	(A) Isotones (B) Isobars (C) Isotopes (D) Halogens
84.	Weld spatter is a/an:
	(A) Flux (B) Electrode (C) Welding defect (D) None of these
85.	A CRO can display:
	(A) D.C. signals only (B) A.C. signals only
	(C) Both D.C. and A.C. signals (D) Time - invariant signals
86.	
	The pollutant responsible for ozone holes is: (A) CO ₂ (B) CO (C) SO.
	(A) CO_2 (B) CO (C) SO_2 (D) CFC
87.	A transformer has 1000 primary turns. It is connected to 250 volts A.C. supply. Find the
	(A) 1600 (B) 625 (C) 100 (D) 1250
88.	
	Lokpriya Gopinath Bardoloi International Airport is located at : (A) Jaipur (B) Bangalore (C) Guwahati (D) Hardy (D)
TO XX	(b) Bangalore (C) Guwahati (D) Hyderabad

89.	Time	constant of a s	eries R-	L circuit is:				
	(A)	LR seconds	(B)	$\frac{L}{R}$ seconds	(C)	L ² R seconds	(D)	LR ² seconds
90.	Who	wrote 'Indica'	?					
<i>711</i> .	(A)	Kautilya	(B)	Kalidasa	(C)	Shudraka	(D)	Megasthenes
91.	Who	is the winner	of Nobe	el Prize, 2014 in t	he fiel	d of Economics	?	
	(A)	Patrick Modia	no	(B)	Mal	ala Yousafzai		
	(C)	Jean Tirole		(D)	Kail	ash Satyarthi		
		who will refusit						
92.	Асу	clotron is a :						
	(A)	Bunch of Gam	nma Ray		_	h Frequency Osc	cillator	
	(C)	Particle Accel	erator	(D)	Nor	ne of these		
93.	A m	an buys an arti	cle for ₹	490 and sells it	for₹4	165.50. Find his	loss pe	rcentage.
	(A)	4%	(B)	4.5%	(C)	5%	(D)	5.5%
94.	'The	Servants of Inc	dia Soci	ety' was founded	by:			
	(A)	Jyotiba Phule	(B)	G.K. Gokhale	(C)	B.G. Tilak	(D)	B.R. Ambedkar
95.		the angle betw rs i.e. 25 minute			he mii	nute hand of a cl	ock wh	en the time is 10.25
	(A)	180°	(B)	165°	(C)	$162\frac{1}{2}^{\circ}$	(D)	$152\frac{1}{2}^{\circ}$
96.	Hor	kinson's test fo	r D.C. r	notors is conduct	ed of			
	1	Low Load	(B)	Half Load	(C)		(D)	No Load
97.	The bric		a brick	are 10 cm×4 cr	n×3 a	cm. What is the	e total s	surface area of this
	(A)	82 cm ²	(B)	164 cm ²	(C)	120 cm ²	(D)	180 cm ²
98.	To I	oe eligible for el	lected as	s President, a can	didate	e must be :		
	(A)	Over 25 years				er 30 years of ag	e	
	(C)	Over 35 years				er 60 years of ag		

99.	The reduced	bearing o	of a l	line is	N 87°	W.	Its whole circle	bearing is:
-----	-------------	-----------	--------	---------	-------	----	------------------	-------------

- (A) 273°
- (B)
- (C) 939
- (D) 87°

100. Arrange the fractions
$$\frac{3}{5}$$
, $\frac{4}{7}$, $\frac{8}{9}$ and $\frac{9}{11}$ in their descending order :

- (A) $\frac{8}{9} > \frac{9}{11} > \frac{3}{5} > \frac{4}{7}$
- (B) $\frac{9}{11} > \frac{8}{9} > \frac{4}{7} > \frac{3}{5}$
- (C) $\frac{3}{5} > \frac{4}{7} > \frac{8}{9} > \frac{9}{11}$
- (D) $\frac{4}{7} > \frac{8}{9} > \frac{3}{5} > \frac{9}{11}$

101. The pressure exerted on the walls of a container by a gas is due to the fact that Gas molecules:

- (A) Stick to the walls of the container
- (B) Lose their kinetic energy
- (C) Get accelerated towards the wall
- (D) Change their momentum due to collision with the wall.

102. The thermal diffusivity of a substance is given by:

- $(\Lambda) \frac{K\rho}{C}$
- (B) $\frac{K}{\rho C}$ (C) $\frac{KC}{\rho}$ (D) $\frac{\rho C}{K}$

[Where K=Thermal conductivity; ρ = Mass density; C = Specific heat]

103. Boyle's law states that:

- The pressure of a gas varies directly with temperature at constant volume i.e. $P\alpha T$.
- The product of pressure and volume of a given mass of a gas is constant at constant temperature i.e. PV = constant.
- The volume of a gas varies directly with temperature at constant pressure i.e. $V\alpha T$. (C)
- (D) The pressure of a gas varies directly with volume at constant temperature i.e. $P\alpha V$.

104. At what temperature, both Celsius and Fahrenheit scales will show the identical readings?

- (A) 100°
- (B)
- (D) 40°

105. A capacitor stores 1 coulomb at 10 volts. Its capacitance is (f = farad):

- (A) 1 f
- 10 f
- (C) 0.1 f
- (D) 0.01 f

106. Who is the Chairperson of National Commission for Women in India? (As on 01.11.2014)

(A) Jayanti Patnaik

Girija Vyas

- (C) Mamta Sharma
- (D) Lalitha Kumaramangalam

cc									
107.	In a 'MIL	certain code la K' ?	nguage,	'HAND' is wri	tten as	'SZMW', then	what wi	III be the code of	
	(A)	ORNP	(B)	PNRO	(C) -	NROP	(D)	RNOP	
108.	The f	famous chinese	pilgrim	'Hieun Tsang' v	isited l	India during th	ne reign o	f :mid Fra 1.201	
	(A)	Harshavardh		(B)		idragupta II			
	(C)	Ashoka		(D)	Kani	shka			
109.	Whe section	n an object is c onal view of th	ut by a s le object :	ection plane, pa is obtained in :	rallel to	H.P. and perp	pendicula	r to V.P., then the	
		Top view		Front view	(C)	Left side view	v (D)	Right side view	
110.	A co	onductor of axi netic field of st	ial length rength 0	n 30 cms carries .4 tesla. What is	a curi s the fo	rent of 100 A a	It?	t right angle to a	
	(A)	10 N	(B)	12 N	(C)	1.2 N	(D)	O my planned a	
111	The	property of a I	naterial 1	oy which it can	be rolle	ed into sheets i	s called:		
111.	(A)	Elasticity		Plasticity		Ductility		Malleability	
112.	'Gid	ldha' is a folk o	dance of :	(St. Alumus)					
	(A)	Punjab	(B)	Uttar Pradesh	(C)	Assam	(D)	Maharashtra	
113.	Ide	ntify the diseas	e which	is caused due to					
	(A)	Scurvy	(B)	Beri-Beri	(C)	Night-Blinds	ness (D)	Kwashiorkor	
114.	Wit p-ty	h which of the pe semi-cond	followin actor ?	g, the intrinsic s	emi coi	nductor Silicon	be doped	l in order to obtair	L
	(A)	Boron	(B)	Phosphorus	(C)	Gallium	(D)	None of these	
115	. Wh	nich of the follo	wing is a	universal gate	?				
1.0	(A)		(B)	NAND		OR	(D)	NOR	
116	60	km/h and 40 .	km/h re	are 140 m and spectively in op oss each other.	160 m posite	respectively. directions on p	If they r parallel tr	un at the speed o acks, then find th	f
	(A)		(B)	10.8 sec	(C)	9 sec	(D)	9.6 sec	

1	17. W	Thich device char oil to D.C. ?	nges the	alternatin	ig c.m	n.f. gene	rated by the D	.C. Gen	erator in its	armature
	(A		(B ₂			(C				
11	18. If	1st January, 2014	l was v	Vednesdav	ther	29th 1	Jogopahan 2014	491 J. S.		
	(A	1) Thursday	(B)	Mondag	y	(C)		will be (D		
. 11	9. A	triac is a :								
	(A) Two termina	l bi-dire	ectional sw	ritch					
	(B)									
	(C)									
	(D)									
120	0. The	c angle of elevati with the ground gth of this ladde	on of a l. The r?	ladder lea foot of the	ning a	against er is 4.6	a wall is 60° i. metres away	e. ladde from the	r makes an e wall. Wh	angle of
	(A)	9.2 m	(B)	2.3 m		(C)	6.9 m	(D)	7.8 m	
121	. Gal	ena is an ore of :							wind the in	
	(A)	Lead	(B)	Copper		(C)	Aluminium	(D)	Iron	
122	. The thes	sum of two nume two numbers.	ibers is	40 and the	diffe	rence of	these two nun	nbers is	4. Find the	ratio of
		11:9	(B)	11 : 18		(C)	22:9		17 : 13	
123.	The	BIS code which	deals w	rith stool of	mada.	:.				
	(A)	BIS: 456	(B)	BIS: 800	rui.cu.		BIS: 875	(D)	BIS: 1893	
124.	The trian	area of an equilagle ?	ateral ti	riangle is 2	24√3 (cm². V	What is the per	rimeter	of this equi	ilateral
	(A)	96 cm	(B)	$4\sqrt{6}$ cm		(C)	12√6 cm	(D)	6√6 cm	
125.	Wher	we open an int	ernet si	te, we see	TATTATE	7 2 TATE	out in the Care			
	(A)	World Wide We	b	,	(B)	World	Wide Word	orm of '	www'?	
		Words Wise We			(D)		of these			
TED	00141	4								

				means :				
	(A)	A set of prog	rammes v	which controls c	ompute	er working		
0.0	(B)	The way a co	mputer o	perator works				
	(C)	Conversion o	f high lev	el language into	machi	ne level languag	e	
	(D)	None of these						
	7-7			start - Pa		100 (H)		District Control
127.	If a p	ooint moves in nstant, the cur	a plane in	n such a way the	at the s	um of its distanc	es fron	two fixed points
	(A)	Parabola	(B)	Ellipse		Hyperbola		
400	۸ ۱	sta in remouna of						
128.		te is group of		4 bits	(C)	8 bits	(D)	16 bits
	(A)	2 bits	(B)	+ (//L)	(0)		A18.11.4.12	
		mank .	1 - C Cl-:	2 (As on 01	11 2014	1\		
129.			A CONTRACTOR OF THE PARTY OF TH	ina? (As on 01	.11.201- (C)	Shinzo Abe	(D)	Hu Jintao
	(A)	Li Keqiang	(B)	Xi Jinping	(4)	Dimizo 1100	(~)	
138	Who	is the speake	er of prese	ent Lok Sabha ?	(As or	n 01.11.2014)		
100.	(A)	Smt. Sumitr				Sushma Swaraj		
		Smt. Meira		(D)		e of these	- 10	and the first of the
	(C)	.mr. wicha	I CONTINUE	(-,		ACTOR LIGHTONSES		
4.04	TD	: 200 mad	troc in 24	seconds. Find h	nis aver	age speed :		
131.				24 km/h	(C)		(D)	30 km/h
	(A)	20 km/h	(D)	24 Killy II				CAMBLE FAIR BALL AND
				2.11. domester (a)		renner - 131		alterenti Lini
132.	The	relationship l	between I	our density (y)	, Dry d	lensity (γ _d) and	water o	content (ω) for soil
132.	is:							
132.	is:	relationship by $\gamma = \gamma_{\rm d}(1 + \omega)$				density (γ_d) and $\gamma = \frac{\gamma_d}{1 + \omega}$		content (ω) for soil $\gamma = \gamma_{\rm d}(1 - \omega)$
	is: (Λ)	$\gamma = \gamma_{\rm d}(1 + \omega)$) (B)	$\gamma_{\rm d} = \gamma(1+\omega)$	(C)	$\gamma = \frac{\gamma_d}{1 + \omega}$		
	is: (Λ)	$\gamma = \gamma_{\rm d}(1 + \omega)$) (B)		(C)	$\gamma = \frac{\gamma_d}{1 + \omega}$	(D)	$\gamma = \gamma_{\rm d}(1 - \omega)$
	is: (Λ)	$\gamma = \gamma_{\rm d}(1 + \omega)$) (B)	$\gamma_{\rm d} = \gamma(1+\omega)$	(C)	$\gamma = \frac{\gamma_d}{1 + \omega}$	(D)	
133.	is: (Λ) . Wh (A)	y=y _d (1+ω tich country w Germany) (B) von the FI (B)	$\gamma_d = \gamma(1 + \omega)$ FA world cup, 1 Argentina	(C) 2014 in (C)	$\gamma = \frac{\gamma_d}{1 + \omega}$ Football ? Brazil	(D)	$\gamma = \gamma_{\rm d}(1 - \omega)$
133.	is: (A) . Wh (A)	$\gamma = \gamma_d(1 + \omega)$ which country we Germany which of the following) (B) von the FI (B)	$\gamma_d = \gamma(1 + \omega)$ FA world cup, 2 Argentina not a cold worki	(C) 2014 in (C)	$\gamma = \frac{\gamma_d}{1 + \omega}$ Football ? Brazil cess ?	(D)	$\gamma = \gamma_d(1 - \omega)$ France
133.	is: (A) . Wh (A)	$y = y_d(1 + \omega)$ which country we Germany which of the following Extrusion	yon the FI (B) owing is (B)	$\gamma_d = \gamma(1 + \omega)$ FA world cup, 3 Argentina not a cold working	(C) 2014 in (C) ing pro-	$\gamma = \frac{\gamma_d}{1 + \omega}$ Football? Brazil cess? Blanking	(D) (D)	$\gamma = \gamma_d(1 - \omega)$ France Lancing
133.	is: (A) . Wh (A) . Wh (A)	$y = y_d(1 + \omega)$ which country we Germany which of the following Extrusion	on the FI (B) owing is 1 (B)	$\gamma_d = \gamma(1 + \omega)$ FA world cup, Argentina not a cold working Slitting	(C) 2014 in (C) ing pro-	$\gamma = \frac{\gamma_d}{1 + \omega}$ Football? Brazil cess? Blanking	(D) (D)	$\gamma = \gamma_d(1 - \omega)$ France
133.	is: (A) . Wh (A) . Wh (A)	$y = y_d(1 + \omega)$ with country we Germany which of the following to a maintaining to a main	on the FI (B) owing is 1 (B)	$\gamma_d = \gamma(1 + \omega)$ FA world cup, 2 Argentina not a cold worki Slitting otograph, Asha o Asha ?	(C) 2014 in (C) ing pro- (C) said, "F	$\gamma = \frac{\gamma_d}{1 + \omega}$ Football? Brazil cess? Blanking	(D) (D) (daugl	$\gamma = \gamma_{\rm d}(1 - \omega)$ France Lancing ter is my mother"

136	What is 15% of 34 kg?										
		3.4 kg		3.75 kg	(C)	4.50 kg	(D)	5.10 kg			
137.	Sachin is younger than Rahul by 4 years. If their ages are in the ratio of 7:9, then how old is Sachin?										
	(A)	14 years	(B)	21 years	(C)	18 years	(D)	25 years			
138.	Which one of the following instruments will be used for measuring electric current?										
	(A)	Voltmeter	(B)	Ammeter	(C)			Wavemeter			
139.	If 2 ²	$e^{2n-1} = \frac{1}{8^{n-3}}$, fi	hen the	value of 'n' is:							
	(A)	3	(B)	2	(C)	0		and \$ (4.)			
140.	The l	length of a bar i n produced in t	s L meti he bar	res. Il extends b	y 2 mm	when a tensile	force F i	s applied. Find the			
	(A)	0.002 L	(B)	2 L	(C)	0.2 L	(D)	L 0.002			
141.	Large scale deforestation decreases :										
		Soil Erosion		Rain fall	(C)	Drought	(D)	Global warming			
142.	Zeroth Law of thermodynamics forms the basis of measurement.										
	(A)	Pressure	(B)	Temperature	(C)	Work		Momentum			
143.	BOD	(Bio Chemical	Oxygen	Demand) of sa	fe drink	ing water man	+ h				
	(A)	0		50 ppm	(C)	100 ppm		200 ppm			
144.	The s	lenderness ratio	of a co	mpression men	nher is ·						
	(A) $\frac{\text{Effective length}}{\text{Least radius of gyration}}$ (B)					Actual length Moment of inertia					
	(C)	Moment of ine Actual length		(D)	Ac	tual length us of gyration					
145.	Which	n National Park	is know	wn for the 'Asia	tic Lion	s′ ?					
	(A)	Corbett Nation Bandipur Natio	al Park	(B)	Kanha	s : a National Parl ational Park					

146.	In which of the following movement did Gandhiji make the first use of Hunger Strike as weapon?									
	(A) Ahmedabad strike, 1918				(B)	Rowlatt Satyagraha, 1919				
	(C)	Swadeshi Mov			(D)	Char	nparan Satya	igraha, 19	17	
147.	Find	I the simple in	terest	on ₹ 4800) at th	e rate	e of $8\frac{1}{2}\%$ p	er annum	for a p	eriod o
	- 2	ars 3 months. ₹ 796	(B)	₹ 816		(C)	₹ 918	(D)	₹ 990	
148.		oal warming is constant N_2				(C)	Ozone	(D)	None o	f these
149.		v many terms ar		in the foll	owing	series	?			
		208, 215,,	(B)	25		(C)	24	(D)	23	
150	. The	Indian Standard	l Time	(I.S.T.) is a	ahead (of Gre	enwich Mean	Time (G.	M.T.) by	: 3
1.1	(A) 6 hours				(B)	5 hours				
	(C) 6 hours 30 minutes			(D)	5 hours 30 minutes					
					-00	0 -				