## SECTION - I ENGLISH

1.	Th	e process of transfe	erring	files from th	e Internet	to your comp	uter is ca	lled ·	
	(A)	) Downloading	(B)	Uploading	(C)	FTP	(D)	JPEG	
2. AMC	A t	iny piggy bank co: ue is ₹ 154, then w	ntains hat is	, ₹ 1, 50 paise number of 2	e and 25 p 25 paise co	paise coins in th	ne ratio 1	: 2 : 3. If their to	rta]
		168	(B)	112 <sup>TO</sup>	(C)		(D)	156	
3.	The	e banana is the goo	od sou	arce of which	vitamin ?	glaci		Manufacture in the second seco	
	(A)	A	(B)	$C_0$ size $C_0$	(C)	D	(D)	В	
4.	Wh	ich is the only cou	ntry c	rossed by a t	ropic circ	le/line and the	e equator	?	
	(A)	Brazil	(B)	Congo		Indonesia	(D)	Australia	
5.	Whi	ich of the following Mars in the first att	g cour empt	ntries became	the first	to have made	a space ci	raft enter the orb	oit
	(A)	USA	(B)	UK	(C)	Germany	(D)	India	
6.	The (A) (C)	Common Emitter low voltage gain signal phase reve			B) mod	y : erate power ga high output ir		ADIOLOUSELA TRECOLUSE ISTAN (POCO SA POCO SA P	
7.	In a quar	mixture of 60 litres	s, the :	ratio of milk a er added is :	and water	is 2 : 1. If this	ratio is to	be 1 : 2, then th	ie
	(A)			30 litres	(C)	40 litres	(D)	60 litres	
8.	A d.	c. shunt motor is fo	ound	suitable to dr	ive fans b	ecause they re	auire ·		
	(A)	small torque at st	art up	) - Commiss 12		off reductions to	eraed (refe)		
	(B)	large torque at hi	-						
	(C)	practically consta							
	(D)	small torque at st	art up	as well as p	ractically	constant volta	ge		
9.	Who	was appointed as	the C	Chief Justice o	f India or	n 28th Septemb	per 2014	?	
	(A)	Justice Hardayal	Singh	Randhawa		1950 COLONO	2011	managini managini	
	(B)	Justice Oberoi							
	(C)	Justice Durga Bar							
	(D)	Justice Handyala	Laksl	nminarayanas	swamy D	attu			

10.	The ratio of the number of boys and girls in a college is 7:8. If the percentage increase in the number of boys and girls be 20% and 10% respectively, what will be the new ratio?  (A) 8:9  (B) 17:18										
	(C) 21:22 (D) Cannot be determined										
11.	Corona (discharge/sparking) takes place between two power transmission wires when they:										
	(A) are closely spaced (B) are widely spaced										
	(C) have high potential difference (D) carry only d.c. power										
12.	The basic reason why a full-wave rectifier has twice the efficiency of a half-wave rectifier is, that :										
	(A) it makes use of a transformer to a manufacture of the state of the										
	(B) its ripple factor is much less (C) it utilizes both half-cycles of the input										
	(D) its frequency output is double the line frequency										
13.	A man rows to a place 48 km distant and comes back in 14 hours. He finds that he can row 4 km with the stream in the same time as 3 km against the stream. The rate of the stream is:  (A) 1 kmph  (B) 1.5 kmph  (C) 2 kmph  (D) 2.5 kmph										
14.	Biological Oxygen Demand (BOD) in a river water:  (A) remains unchanged when algal bloom occurs  (B) has no relationship with concentration of oxygen in water  (C) gives a measure of Salmonella in the water  (D) increases when sewage gets mixed with river water										
15.	Port Blair is situated in :  (A) North Andaman  (C) Middle Andaman  (D) Little Andaman										
16.	Which one of the following is responsible for converting milk into curd?  (A) Virus (B) Insects (C) Fungi (D) Bacteria										
17.	The only drawback of using negative feedback in amplifiers is that it involves :  (A) gain sacrifice (B) gain stability (C) temperature sensitivity (D) frequency dependence										
18.	Vendor-created program modifications are called :  (A) Patches (B) Fixes (C) Holes (D) Overlaps										
19.	The hill station Halflong is in which Indian state?  (A) Sikkim  (B) Himachal Pradesh  (C) Uttaranchal  (D) Assam										

20.	Which of the following is a storage device that uses rigid, permanently installed magnetic disks to store data/information?									
	(A) Floppy diskette (B) Hard disk (C) Permanent disk (D) None of these									
21.	What is the address given to a computer connected to a network, called ?  (A) System Address  (B) SYSID  (C) Process ID  (D) IP Address									
22.	A train 360 m long is running at a speed of 45 km/hr. In what time will it pass a bridge 1 m long?	40								
	(A) 40 sec (B) 42 sec (C) 45 sec (D) 48 sec									
23.	and 36 km/hr. The faster train passes the slower train in 36 seconds. The length of each trais:									
	(A) 50 m (B) 72 m (C) 80 m (D) 82 m									
24.	Sakshi can do a piece of work in 20 days. Tanya is 25% more efficient than Sakshi. The number of days taken by Tanya to do the same piece of work is:	ne								
	(A) 15 (B) 16 (C) 18 (D) 25									
25.	Who was sworn in as the Governor of Kerala in September 2014?  (A) P. Sathasivam  (B) K. Narayanan  (C) V. Namboodaripad  (D) Mohanan Kutty									
26.	Find the missing term: ADVENTURE, DVENTURE, DVENTUR,, VENTU (A) DVENT (B) VENTURE (C) VENTUR (D) DVENTU									
27.	The emitter of a transistor is generally doped the heaviest because it:  (A) has to dissipate maximum power  (B) has to supply the majority charge carriers to the base  (C) is the first region of the transistor									
	(D) must possess low resistance									
28.	The sole purpose of a commutator in a d.c. generator is to:  (A) increase output voltage (B) reduce sparking at the brushes (C) provide smoother output (D) convert the induced a.c. into d.c.									
29.	$\sqrt{\left(\frac{0.49}{0.25}\right)} + \sqrt{\left(\frac{0.81}{0.36}\right)} = ?$									

30.	The	Sun shines vert	cally o	n the Equato	or:				
	(A)	Four times a y	ear	A med and	(B) C	Once	e a year		
	(C)	Throughout th	e year		(D) T	Γwi	ce a year		
31.		hottest planet ir Venus	our so (B)	olar system is Earth		C)	Mars	(D)	Moon
32.	Norman (A)	mal human bloo neutral variable in its a		or alkalinity			ntly acidic ntly alkaline		
33.		the next three 16, 21, 22					10, 15, , 16, 23, 24		None of these
34.	In p	lants, water is al	sorbec	l by the root	hairs, b	оу а	process called :		
	(A)	Respiration	(B)			Ć)	Osmosis	(D)	Perspiration
35.	Find (A)	the missing lett	er : A, (B)			C)	N	(D)	S only and w
36.		perature is being	measi ared p	ıred ? yrometer	(B) F	ille	truments need n d system thermo mo-electric pyro	meter	th the object whose
37.							equations: i <sub>1</sub> = ce between them		$n(\omega t + [\pi/3])$ and grees?
	-	105	(B)				15	(D)	
38.		is the pr	ocess c	of finding err	ors in s	soft	ware code.		
	(A)	Compiling	(B)	Assembling			Interpreting	(D)	Debugging
39.		ets that can trans Vectors		seases to hur Carriers		re re C)	eferred to as : Reservoirs	(D)	Incubators
40.	Khyl (A)	per Pass connect India	s Pakis (B)	stan with : Afghanista	n ((	C)	Iran	(D)	Uzbekistan
	(21)	maia	(D)	7 Hghanista	(	<u>_</u> )	nan	(D)	OZDERISTAIT
41.	The (A) (C)	coaxial cylinder Newton's law Stoke's law			(B) F	Hage	th of the following the control of the second control of the secon	~	

42	(A)	air frictio	ent form of on (B)	damping er fluid frict	mploy tion	ved in (C)	electrical eddy ci				f these
43	. The	e electron be	am weldin	g can be car	riod o	out in .					
	(A)	open air	The street of th	g can be can	(B)						
	(C)	vacuum			(D)		ielded ga	s envii	onme	ent	
		99891A			(D)	HOHE	e of these				
44.	. An	electronic o	scillator is								
	(A)		n alternato		(B)	noth	ina laat a		1.0		
	(C)		ier with fee		(D)	2 cor	ing but a	n amp	lifier		
		ione I		and allow B	(D)	a coi	nverter of	a.c. to	a.c.	energy	
45.	Whi	ich of the fo	llowing me	ters/instrun	nents	is smit	able for n	202611		1 1	
	(A)	moving-ir	on type	81.01	(B)	nerm	nanent-ma	neasur.	ing or	ny direct c	urrent?
	(C)		namic type		(D)		vire type	agnet	туре		
		KI SE SENTE			(0)	TIOL-V	viie type				
46.	Whi	ch of the fol	llowing is r	not a basic el	lemer	nt of a t	transform	or 2			
	(A)	core	70		(B)		ary wind:				
	(C)	secondary	winding		(D)		al flux	mg			
		NAME OF THE OWNER, THE			(-)	inata	ar Hux				
47.	Wha	t is the angl	e between	two vectors,	if the	eir sum	is to be	mavim	11m 2		
	(A)	90°	(B)	45°			0°	ιπαλιπ	(D)	180°	
						(-)			(D)	100	
48.	The :	maximum s	tress produ	ced in a bar	of ta	pering	section is	at ·			
	(A)	smaller end	d (B)	larger end			middle	Senan	(D)	anywhei	10
				MINERAL DE		Flater	1995 E		(D)	arry wrier	(4)
49.	Junct	tion breakdo	own occurs	11420963-04161							
	(A)	under high	temperatu	re condition	าร						
	(B)	with forwa	rd bias								
	(C)	under reve	rse bias								
	(D)	because of	manufactu	ring defect							
50.	The	1:66	. 3	All the second							
30.	The c	interence of	1— and i	ts reciprocal	is:						
		-									
	(A)	1-	(B)	$1\frac{1}{3}$		(C) -	15		(7)	105	
		8	(b)	3		(C)	15 16		(D)	304	
51.	Which	n part of the	potato pla	nt do we ea	t?						
	(A)	Root		Seed		(C) F	lower		(D)	Stem	
									(2)	otem	
52.	Alcoh	ol contains	is Animalia								
	(A)	nitrogen, hy	drogen, ox	ygen (	(B)	carbon	, hydroge	en. ovi	7oen		
	(C)	oxygen, carl	oon, nitrog				en, chlor				
				10 31		7 8	,, cruor	(c) 0x	ygen		
TSD	001314				4.0						
	COLUIT				18						

53.	Whic	th of the follow	ing is <b>n</b>	ot a renewal	ble en	ergy	of natural reso	ources?		
	(A)	Tidal energy	(B)	Wind energ	gy	(C)	Fossil fuels	(D)	Solar energy	
54.	Brick	s used for linin	ig furna							
	(A)	under burnt b					burnt bricks			
	(C)	refractory bric	ķs		(D)	all o	f these			
				gent at Vitted	n (L					
55.		nips used in cor	nputers	are usually	made	of:	Cl.	(D)	Gold	
	(A)	Lead	(B)	Silicon		(C)	Chromium	(D)	A naol A	
	T: 1	.1		in the narios	. 1 2	6 8	16 18	76 78		
56.	Find	the missing nu 26, 67	(P)	26 38	. 1, 0,	(C)	32 45	(D)	52, 104	
	(A)	26, 67	(D)	30, 30		(0)	32, 43	mayout	Z. Which of the	
57.	Find	the next two n	umbers	in the serie	s · 1.	2. 4. 7	7, 11, 16,	rojeth as		
37.	(1)	the next two n 21, 24	(B)	22 29	n (()	(C)	31, 39	(D)	32, 39	
	(11)	21, 21	(2)			(-)				
58.	A bu	ıllet of mass A a	and velo	city B is fire	d into	a blo	ock of wood of	mass C.	If loss of any mass	3
	and	friction be negl	ected, w	what is the en	nd vel	ocity	of the system	?		
		(AB)		(AC)			(A + C)		(A + B)	
	(A)	$\frac{(AB)}{(A+C)}$	(B)	$\frac{(B+C)}{(B+C)}$		(C)	(BC)	(D)	AC ISMV	
		(21 1 C)		TE E			Tallon Here(8)			
F0	Λ	an takan turina	oc long	to row a die	tance	agair	ast the stream	as to row	the same distance	2
59.	in f	an takes twice a	tream.	The ratio	of the	spe	ed of the boa	at (in sti	ll water) and the	9
		im is:	5. finlet	than a cre				n the sar		
	(A)	2:1	(B)	3:1		(C)	3:2	(D)	4:3	
60.	Find	I the missing nu	ımber ir	n the blank i	n the	series	3:			
	1, 4,	9, 16, 25,,	49, 64.					kinelner (L	bucklerin the	
	(A)	21	(B)	31		(C)	26	(D)	36	
		Consequence	and the same	log mumiji	(de) (d	ny hi	cratimathd in	omore in		
61.		computer code			inforn	natio	n between terr		Hollerith	
	(A)	ASCII	(B)	BCD		(C)	BCDIC	(D)	Honerun	
		windings have	no res		. ita n	ohima	Leurroundings	o is a :		
62.		area legally rese	erved fo	or wha me n	(B)		sphere Reserve			
	(A)	Social Forest			, ,		ctuary			
	(C)	National Parl			(D)	Jan	ictual y			- 4
62	Clo	hal agraament	in spec	rific control	strate	oies	to reduce the	release o	of ozone depletin	g
63.	sub	stances was ado	opted by	v:	ham	8.00	0.041			
	(A)		-		(B)	Mo	ntreal Protoco	Iniwollo		
	(C)	Kyoto Protoc					nna Conventi	on		
AB					19				TSD00131	4

6	4. A flow, for which the resistance	e to shearing deformation is zero, is :	
	(A) laminar flow	(B) turbulent flow	
	(C) supersonic flow	(D) ideal flow	
65	r modulation .		
	(A) carrier frequency is change		
	(C) three sidebands are produ	ged (B) carrier amplitude is changed aced (D) fidelity is improved	
66	. Who won the Men's singles Ten	nnis Championship at the 2014 US Open ?	
	(A) John Wayne	(B) Roger Federer	
	(C) Marin Cilic	(D) Wilfried Tsonga	
67.	. Which of the following may be t	treated as a "rotating transformer"?	
	(A) d.c. series motor	rotating transformer"?	
	(C) induction motor	(B) d.c. shunt motor	
	(4)	(D) none of these	
68.	Which of the following sequences	s is different for the	
	(A) 1, 1, 2, 3, 5, 8, 13,		
	(C) 1, 3, 4, 7, 11, 18, 29,	(B) 0, 2, 2, 4, 6, 10, 16,	
	(6) (6) + A) (B) (4) (A)	(D) 1, 2, 3, 6, 11, 20, 37,	
69.	What comes next : GH, JL, NQ, ST	W VD 3	
	(A) EJ (B) FJ	Part of Plant (C)	
	All Smaller, and	(C) EL (D) FL	
70.	Which of the following drawings r is assembled?	represents the details of the machine in picto	rial forms as it
	(A) Production drawing		
	(C) Schematic assembly drawing	(B) Exploded assembly drawing (D) None of these	
71.	A vertical column has two mome buckle in the direction of the:	ents of inertia (i.e. $I_{xx}$ and $I_{yy}$ ). The column	n will tend to
	(A) axis of load	(B) perpendicular to the axis of load	
	(C) maximum moment of inertia	(D) minimum moment of inertia	
72.	<ul><li>(A) will increase in magnitude</li><li>(B) will decrease in magnitude</li></ul>	a second charge $q_2$ . Now, if a third charge on $q_2$ :	
	(C) will remain unaffected		
	(D) will increase if $q_3$ is of the same	ne sign as $q_1$ and will decrease if $q_3$ is of opposition	
	reduce the release month of the	of solgations formor officers in the most specific	site charge to
73.	Which of the following produces hi (A) Glucose (B) Fat	ighest amount of energy upon oxidation ? (C) an Alkane (D) Prote	
Spun		(-) 1100	
TSDO	001314	20	AB

74.	The (A)	main job of a voltage regulator is sinusoidal (B) constant		ovide a nearly (C) smooth		tput voltage. fluctuating
75.	The	largest producer of Coffee in Indi	ia is :			
	(A)	Kerala	(B)	Tamil Nadu		
	(C)	Karnataka	(D)	Unified Andhra Pra	adesh	
76.	Inte	rnational Date Line Passes throug	gh :			
	(A)	0° Greenwich	(B)	180° Greenwich		
	(C)	90° Greenwich	(D)	270° Greenwich		
77.	wate	ee equal glasses are filled with mier in each glass is as follows: In the glass 9:7. The contents of the theoretion of milk and water in it?	he firs	t glass 3:1, in the sec	ond gla	ass 5:3 and in the
	(A)	21:17 (B) 17:21		(C) 31:17	(D)	17:31
78.		rock having calcium carbonate as	main	mineral constituent, i	s called	89. The desnable
	(A)	calcareous rock	(B)	argillaceous rock		
	(C)	siliceous rock	(D)	sandy rock		
79.		useful part of livable area of a bui				
	(A)		2 50			
	(C)	Horizontal circulation area	(D)	Plinth area		
80.	poin mini	ain can travel 50% faster than a ca t B, 75 km away from A at the san utes while stopping at the stations	ne time . The s	e. On the way, howeve	t the samer, the tr	me time and reach ain lost about 12.5
	(A)	100 kmph (B) 110 kmph		(C) 120 kmph	(D)	130 kmph
81.		re were the 2014 Asian Games als	so kno	wn as the XVII Asiad	held?	
	(A)	Sochi, Russia	(B)	Banzai, Chile		
	(C)	Copernicus, Argentina	(D)	Incheon, South Kore		
82.	In ar	n ideal transformer :				
	(A)	windings have no resistance	(B)	core has no losses		
	(C)	core has infinite permeability	(D)	all of these		
83.	Princ	cipal plane is a plane on which the	e shear	r stress is :		
		zero (B) minimum		(C) maximum	(D)	none of these
84.		levels of uric acid in the blood is				
	(A)	Arthritis about 1211 50000	(B)	0040		
	(C)	Rheumatism	(D)	Rheumatic heart		
AB			21			TSD001314

85.	What comes next : AZ, CX, FU, _ ?		storeaments are all submissions of the state							
	(A) IR (B) IV		(C) JQ (D) KP							
			To pale 401 to 400 and to a second and the							
86.	Eutrophication results in reduction of	i gerri	gur to regree the secretary terminal terminal							
	(A) mineral salts	(B)	dissolved oxygen							
	(C) parasitic protozoa	(D)	dissolved nitrate							
87.	Glass is attacked by which of the follo	wing	demonstrate Line Passes through							
	(A) hydrogen chloride	(B)	hydrogen bromide							
	(C) hydrogen iodide	(D)	hydrogen fluoride							
88.	Who was the first Indian women to sv	vim a	cross the English Channel ?							
	(A) Nafisa Ali	(B)	Arati Saha							
	(C) Bula Choudhury	(D)	J. Sikder							
89.	The desirable property of a refrigerant	is:	count by rest (							
	(A) low boiling point	(B)	high critical temperature							
	(C) high latent heat of vaporization	(D)	all of these							
90.	The velocity at which the flow changes from laminar to turbulent for the case of a given liquid at a given temperature and in a given pipe, is known as:									
	(A) Turbulence velocity	(B)	Critical velocity							
	(C) Reynolds velocity	(D)	Froude velocity							
91.	Increase in atmospheric temperature due to carbon dioxide, is called:									
	(A) Pasteur effect	(B)	Greenhouse effect							
	(C) Blackman effect	(D)	Emerson effect							
92.	In a steady flow process, the value of :		of calls assembly higher 1976s of the provide All March 1976.							
	(A) heat transfer is constant									
	(B) work transfer is constant									
	(C) mass flow at inlet and outlet is sa	me								
	(D) all of these									
93.	The Representative Fraction used in the									
	(A) equal to 1 (B) less than 1		(C) greater than 1 (D) none of these							
94.	Multi-stage centrifugal pumps are used	l to :								
	(A) give high discharge	(B)	produce high heads							
	(C) pump viscous fluids		all of these							

95.	For a silicon diode, the value of the forward (A) must be greater than 0.3 V	bias volta	age typically :		
	<ul><li>(A) must be greater than 0.3 V</li><li>(B) must be greater than 0.7 V</li></ul>				
	(C) depends on the width of the depletion	region	bms 3		
	(D) depends on the concentration of the m		arriers		
	Company of the state of the Automotive	A 1 - 6 K 6			
96.	The sum of internal energy (U) and the preas:	oduct of	pressure and	volum	e (p.v) is known
	(A) work done (B) entropy	(C) en	nthalpy	(D) 1	none of these
97.	If a person walks at 14 km/hr instead of 10 km same time. The usual distance travelled by h	m/hr, he im is :	would have wa	alked 2	0 km more in the
	(A) 50 km (B) 56 km		0 km	(D)	80 km
98.	A pixel is:				Access and the Control
	(A) A computer program that draws picture	ire			0.56
	(B) A picture stored in secondary memory				
	(C) The smallest resolvable part of a pictur	e			
	(D) None of these				
	(C) Nitric (D) Phosphare	2000	at amount of st	oam a	nd other gases is
99.	The property of sand due to which it evolve called:	es a grea	at amount of si	eant a	nd other gases is
	(A) collapsibility (B) permeability	(C) c	ohesiveness	(D)	adhesiveness
	The transfer of the second sec	Vikible i			
100.	"Under the same conditions of temperature a the same number of molecules". This law w	and press vas propo	sure, equal volu ounded by :	imes o	f all gases contain
	(A) Gay-Lussac (B)		Vewton		
	(C) Amadeo Avogadro (D)	Kelvin			
101	Normally which animal's skin gives us Mor	occo leat	her ?		
101.	(A) Cow (B) Camel	(C) C		(D)	Pig
	(1) COV	una en		ideed l	AL. In a centriuga
102.	The hyperbolic process is governed by :				
	(A) Boyle's law (B)	Charle	s' law		
	(C) Gay-Lussac law (D)	Avoga	dro's law		
	(b) Protons (c) Hectings to				
103.	. Which of the following is a zinc diffusion p	rocess?	nd durability		elegratii (A) (c.
	(A) zincation (B) anoding	(C) I	oarkerising	(D)	sherardizing
104.	. In what ratio must a grocer mix two varietie	es of tea v	worth ₹ 60 a kg	and ₹	65 a kg so that by
	selling the mixture at ₹ 68.20 a kg he may g			(D)	4:5
	(A) 3:2 (B) 3:4	(C) 3	3:5	(D)	T. 7
					TSD001314
AB	23	24			130001314

105.	Dead organs are generally stored in	formalir	n. For	malin is :		
	(A) aqueous formaldehyde	(B)		eous ferrous sul	S VO - CO	
	(C) aqueous formic acid	(D)	aque	eous ferric alum	en the w	
106.	The expression $(11.98 \times 11.98 + 11.98)$	$\times$ a + 0.0	$02 \times 0$ .	02) will be a pe	erfect s	quare for 'a' equal
	to:			Dies / Tringham	(75)	stractor must see I see
	(A) 0.02 (B) 0.2		(C)	0.04	(D)	0.4
107.	The atomic mass of an element indic					
	(A) the number of times one atom	of the el	emen	t is heavier thar	$1\frac{1}{12}$ <sup>th</sup>	of the $C^{12}$ isotope.
	(B) the volume of the atom.					
	(C) the number of times one atom	of the e	lemer	nt is heavier tha	$n \frac{1}{16}^{th}$	of the $O^{18}$ isotope.
	(D) none of these					
108	Which one is an organic acid?					
100.	(A) Citric (B) Sulphur	ic	(C)	Nitric	(D)	Phosphoric
	eat amount of steam and other gases	rrg a ter	dove		Same	The property of
109.	Find the missing term : AYD, BVF, I	ORH,	_, KG	L .		
	(A) FMI (B) GMJ		(C)	GLJ	(D)	HLK
110.	Humidity is most commonly measure	ed by :				
	(A) partial vapour pressure determ					
	(B) dry and wet bulb temperature	measur	ement	embeus cine		
	(C) physical expansion					
	(D) evaporation					
111	In a centrifugal casting method :					
111.	(A) core is made of sand	(B)	core	is made of ferro	ous met	ral
	(C) core is made of nonferrous mel			ore is used		
	dro's law seed to the man	4000 800				
112.	Reinforced concrete is advantageous	because	e of its	3:		
	(A) fire resistance and durability	(B)		maintenance co	st	
	(C) monolithic character	(D)	all o	f these		
113.	If the length of a simple pendulum is	increas	ed, th	en its time perio	od will	4. Jawbai sato as
	(A) increase	(B)	decr			
	(C) go on changing	(D)	rema	ain the same		

114.	A, B they	and C can comp. will complete th	lete a le sam	piece of work in 2 e work in :	24, 6 aı	nd 12 days respec	tively.	. Working together
	(A)	$\frac{1}{24}$ day	(B)	$\frac{7}{24}$ day	(C)	$3\frac{3}{7}$ days	(D)	4 days
115.	In n	egative logic, the	logic	state 1 correspon	ds to :			
				(B) e (D)				
116.		ch of the following two isentropic pr			of on	e constant pressu	re, or	ne constant volume
	(A)	Carnot cycle	(B)	Stirling cycle	(C)	Otto cycle	(D)	Diesel cycle
117.		$0.4 \times a = 12.24$ , the			(C)	6.60		0.66
		0.6					(D)	0.66
118.	If $\left(\frac{3}{1}\right)$	$\left(\frac{a}{b}\right)^{x-1} = \left(\frac{b}{a}\right)^{x}$	, the	en the value of $x$	is:			
	(A)	1/2	(B)	1 magnified at 001	(C)	2	(D)	$\frac{7}{2}$ periodit ver
119.	The	Hallev's Comet w	vill mo	ost probably be vi	isible :	again in the year :		
						2062 A.D.	(D)	2060 A.D.
120.	If 3 <sub>\sqrt</sub>	$\sqrt{5} + \sqrt{125} = 17.8$	8, the	n what will be th	e valu	the of $\sqrt{80} + 6\sqrt{5}$	?	
		13.41	(B)			21.66		22.35
121.				hour before some what was the aver			trave	ls for 120 km at 30
	(A)	33 kmph	(B)	36 kmph	(C)	38 kmph	(D)	40 kmph
122.	Elect	ric current in a m	netal v	vire is due to the	flow o	of:		
	(A)	Protons	(B)	Electrons	(C)	Ions	(D)	None of these
123.	If (17	$(7)^{3.5} \times (17)^x = 17^8$	, wha	t is the value of '	x'?			
	(A)	2.29	(B)	2.75	(C)	4.25	(D)	4.5
124.		ensions of cylindr	rical pa 	arts should as far	as pos	sible be shown in	the v	iews in which they
	(A)	Cones	(B)	Ellipses	(C)	Rectangles	(D)	Triangles

cn	
1	
I	
1	

	(A) (B) (C) (D)	are monostomic have low ioniza have stable elec- have a high ele	ation o	c configurat	ion		na topes of ab — (f at with be				
126.		ch of the followir Volume		n intensive Temperat		781					
127.	If $\left(\frac{1}{2}\right)$	$\left(\frac{5}{8}\right)$ of $24 = \left(\frac{15}{7}\right)$	× a, t	hen the valu	ue of '	a' is :					
	(A)	7 225	(B)	7 atom of Oa:0		(C)	8		(D)	15	
128.	The	deepest trenches	of the	e ocean are i	found	in the	e :				
	(A)	Indian Ocean			(B)		fic Ocean				
	(C)	Arctic Ocean			(D)	Atla	ntic Ocean				
129.	Wha and	t is the resistance a resistivity of 50	e of a ×10	wire of leng	gth 10	0 m h	aving an ar	rea of c	ross s	section of 0.1	mm
	(A)	500 Ω	(B)	5000 Ω		(C)	250 Ω		(D)	50 kΩ	
130.	mixt	the ratio in whi ure worth ₹ 6.30 1:3		e at ₹ 7.20 a 2 : 3	a kg b		ked with ric			a kg to prod 4:5	luce a
	()	ASIGNAL (All) parasis	(5)	(2) 21.65		(0)	64:05 (9		(D)	Less (A)	
131.	Wha	t is Dry Ice ?									
	(A) (C)	Solid Carbon di Ice at minus 50			(B) (D)		l Crystal l H <sub>2</sub> O				
132.	The	sum of two numb	ers is	45. Their d	ifferer	ice is	1/9th of the	eir sum	. The	ir LCM is :	
	(A)	100	(B)	150 10 WC		(C)	200		(D)	250	
133.	Cape of:	Canaveral, the	site fr	om which s	space	shuttl	es, are laui	nched,	is loc	cated on the	coas
	(A)	North Carolina	(B)	South Car	olina	(C)	Florida	)	(D)	Virginia	
134.	Which (A)	th one of the follo Aravalli Hills Himalayas	wing	is the youn	gest for (B)	Easte	mountain r ern Ghats ern Ghats	ange ir	Ind:	ia ?	
rsD(	00131	4			26						AB

125. Rare Gases are generally chemically inert because they:

135.	The a the : (A) (B) (C) (D)	amount of cu value of R direction of c battery conne	rrent flov urrent flo	wing throug		esista	ance) drop is pri	imarily	dependent upon
136.	What	are .bas, .doc	, and .ht	ml examples	s of ?		ne neg 13 kg		
	(A)	Extensions	(B)	Domains	)	(C)	Database	(D)	Protocols
137.	The while	curve traced leads also moving	oy a poii around t	nt moving o	n a pl called	ane	in one directior	ı, towa	ards a fixed point
		Trochoid	(B)	Spiral		(C)	Parabola	(D)	Catenary
138.	If a t	rolley starts fr onds ?	om rest	with an acce	eleratio	n of	$2 \text{ m/s}^2$ , what w	ould i	ts velocity be after
		8 m/s	(B)	2 m/s	(	(C)	$8 \text{ m/s}^2$	(D)	$2 \text{ m/s}^2$
139	Whic	h of the follow	ving is a	non-metallie	c mine	ral?			
10).	(A)	Bauxite	(B)	Magnesiun		(C)	Manganese	(D)	Gypsum
140.	Wha	t is the name of Browser		tware that a Mail Client		us to (C)	browse through	web (D)	pages called ?  Messenger
141.	The (A) (B) (C) (D)	when molecu at sea level at the temper at the centre	ılar mom rature of	entum of th	ined : e syste	em be	ecomes zero		
142.	Wha	t is the SI unit	of absol	ute permitti	vity of	a me	edium?		
	(A)	$\frac{J}{C}$	(B)	$\frac{C^2}{\left(Nm^2\right)}$		(C)	$\frac{C^2}{(Nm)}$	(D)	$\frac{(Nm)}{C^2}$
143.	In lo (A) (C)	w heat cemen dicalcium sil tricalcium al	icate	nstituent tha	(B)	trica	minimum, is : lcium silicate acalcium alumin	ate	
144.	(A) (C)	achometer me composition temperature	of an all		1		rate of a liquid tional speed of a	flywl	neel
AB					27				TSD001314

- 19	
n	
H	
1	
4	
4	

145.	The	greatest problem faced in water co	nserv	ration is to reduce the amo	unt of :				
	(A)	precipitation (B) run-off wa	ater	(C) groundwater (I	) evaporation				
146.	Ąn a	neroplane covers a certain distance	at a sp	peed of 240 kmph in 5 hou	rs. To cover the same				
	distance in $1\frac{2}{3}$ hours, it must travel at a speed of :								
	(A)	300 kmph (B) 360 kmph		(C) 600 kmph (D	) 720 kmph				
147.	Of th	ne following, identify the dimensio	nless	entities.					
	(A)	Pressure coefficient	(B)	Froude number					
	(C)	Darcy Weisbach friction factor	(D)	All of these					
148.	A na	tural region has the similarity of :							
	(A)	Climate and occupation	(B)	Soil and drainage					
	(C)	Climate and natural vegetation	(D)	Economic base and races					
149.	Meas	surements from the scale to the dra	awing	are transferred with the a	id of a :				
	(A)	Scale (B) Compass		(C) Divider (D	) Bow compass				
		ue worth ₹ 6.30 a kg. 1. A mil p. al							
150.	Fulle	rs are used :							
	(A)	for finishing flat surfaces	(B)	for necking down a piece	of work				
	(C)	for punching a hole	(D)	to finish the punched hole	e la				
		sin of two numbers is 450 Web of	000	pe and fell of the Water, Th					