

RRB JE 2014 Question Paper with Official Answer key

(INSTRUCTIONS)

(Please read carefully and comply)

- 1. 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. rajhindinews.com
- 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 seals. 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, Gujarati, Punjabi, Kannada, Konkani, Marathi, Tamil, Telugu and Malayalam 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.
- 8. 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. www.exammix.com



14 SECTION - I ENGLISH

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				ENGL	LISH	0.		
The	Prime Minister	r of India	a, Narendr	a Mod	li ren	esente whi	ch seat in	Lok Sabba 2
(A)	Vadodara	(B)	Ahmedal	bad	(C)	Varanasi	ch seat in (I	
Wh	ich comet appe	ars ever	76 years	?				
(A)	Hailey's	(B)	Holme's		(C)	Donati's	(E) Alpha Centa
A t	ap can fill a ta	nk in 16	minutes a	nd an	other	can empty	it in 8 m	inutes. If the tan
alre	ady half full an	nd both t	he taps are	opene	ed toge	ether, the ta	nk will be	e :
(A)	filled in 12 m	inutes		(B)		tied in 12 m		
(C)	filled in 8 min	nutes		(D)	10.72	tied in 8 mi		
				()	1			
In a	pre-stressed co	oncrete n	nember, it i	s advi	sable t	o use :		
(A)						abe.		
(B)	high strength		The state of the s	ř a	1			
(C)	low strength		3	ensile	steel			
(D)	1927 - 19							
()		· correct	o una ragn	teribile	. Oteci			
Fall	ling drops of wa	ater beco	ma enharos	duo t	a tha r	roportiz of		
(A)				(B)				
	capillarity of		ici	(D)	ricco	oits of such	or water	
(C)	capillarity of	water		(D)	VISCO	sity of wate		andria is b
c .		lala an as	rount of .				remain in	a charter a billion
	mming is possi			/D\	NT	/- C		was the arms
(A)	Newton's Fir			(B)		on's Second		
(C)	Newton's Thi	ird Law	of Motion	(D)	Newt	on's Law o	t Gravitat	ion
						Service V		
Hyc	drophobia is a f			ease ?		A 40 -		
(A)	Polio	(B)	Measles		(C)	Rabies	(D)	Hepatitis
								e of water in
The	ratio between t	he stress	produced	by gra	dually	applied an	id sudden	ly applied load i
(A)	1	(B)	2		(C)	$\frac{1}{2}$	(D)	None of these
or E						A Garage		Lyngs & Lot 7 A
2.45			d by					
Soil	erosion can be	prevente	u by .	/D\	D	11.*		
(A)	Grazing			(B)		ploughing		** ***
(C)	Planting trees			(D)	Increa	asing bird p	population	ì

AL				15						
10.	Dry	density of soil is	equal to the :	13					101	
	(A)	Mass of solids to	o the volume of so	.1: 1						
	(B)	Mass of solids to	the total value	olids	.,					
	(C)	(B) Mass of solids to the total volume of soil (C) Density of soil in the dried condition (D) No. (C)								
	(D)	None of the abo	Trule aried conditions	tion						
	()	of the abe	,							
11.	Nam	e the boyon	Market T. • Market III			1				
	the 1	nedal during Asi	was banned by Ir	nterna	tional	Boxing Associ	ation fo	r refusing t	o accept	
	(A)	M. C. Mary Kon	man Games 2014 ?	(D)	0 1	D .		2.7		
	(C)	Sarjubala Devi		(B)		a Devi				
	()	outjubula Devi		(D)	Non	e of the above				
12.	A ca	er covers three and				1 (101	1 00 1) _1 d 60	0 kmph	
	resp	ectively. Its avera	ccessive 4 km dis ge speed over tota	tances	s at sp	beed of 10 km	on, 20 K	mph and o	KIIIPII	
	(A)	10 kmph	(B) 20 kmph	ai uisi	(C)	25 kmph	(D)	30 kmph		
		1	(b) 20 Kmpn		(C)	25 Kilipii	(D)	oo kinpi		
13.	In a	thermocouple, tl	hermo EMF is pro	duced	whe	n its				
	(A)		at 0°C and the of							
	(B)	Both junctions a		ici ui		A mark see,				
	(C)	Both junctions a			00	Y 11 2 122				
	(D)		are at different ter	npera	tures					
				il and						
14.	A m	egger is used for	the measurment o	of:			. 115			
	(A)	Low valued res	istance							
	(B)	Medium valued	resistance							
	(C)	High valued res	sistance							
	(D)	High valued res	s <mark>istance, particular</mark>	rly ins	ulate	d resistance				
	21	* # 00 °	7							
15.	Effec	t of a force on a l	oody depends upo	on its	. 3					
	(A)	direction	(B) magnitude		(C)	position	(D)	all the abo	ove	
	a ⁷ par	10 10 10 10 10 10 10 10 10 10 10 10 10 1								
16.	Ina	group of 6 boys ar	nd 4 girls, four chi	ildren	are to	be selected. In	how m	nany differe	nt ways	
	can t		uch that at least of						-4	
	(A)	159	(B) 20.9		(C)	318	(D)	None of t	hese	
				. 4	dune					
17.	One		doesn't constitute	a bas	ic stri	acture of the co	onstituti	ion:		
	(A)	Republic form of								
	(B)	Supremacy of th	e Constitution		1-5-1					
	(C)	Law making pro	ocedure in the Par	rliame	ent					
	(D)	Federal character	r of the Indian Po	olity						
						*				
								TSE	0001214	

				16	6				AL ❖
18.	The price	ce of a table and	d chair is in the			If the table co	osts ₹ 950	more than	
		st of two chairs 250	ıs : (B) ₹ 300		(C)	₹ 500	(D	And the	
19.	Therma	l conductivity	of o-1:1						
1	(A) in	d conductivity of	of solid metals	with r	ise in	temperature	normally	t was	
1		ecreases							
1		emains constan							
	(D) n	nay increase or	decrease depen	ding c	n tem	perature			
20.	Diabete	es in general, is	the result of :	2.1			A COLL	in the last	
1	(A) u	nder-secretion	of insulin	(B)	und	er-secretion o	f thyroxii	ne	
	(C) u	inder-secretion	of oestrogen	(D)		e of these	Me A	The street of th	
21.	The cir	nnla interest is		D:	n			g., (14)	\$ %
	(A) r	nple interest is ate is same	equal to compo	una in	terest	tor a certain s	sum when	ι:	
	` '	ime is same	1 200	in to		ei 1	14		
		nterest is comp		nd time	e is on	e year	ction is a	Helphia (C	
	(D) I	none of the abov	re .			Yayiri		in Hoya sa Le Mana I fu	
22.	Who a	mong the follow	ving stood for to	otal rev	olutio	on in the coun	try ?		
		ayaprakash Na		(B)		ba Phule			
	(C) 1	V. P. Singh		(D)	Mah	<mark>atma Gandhi</mark>		1.00	
23.	Leafs	prings are subje	cted to:				E Steve in		
20.	Total and	shear stress		(B)	direc	t stress	esi bani:	engli. S	
	(C) 1	pending stress	La Level I and Lal	(D)	none	of the above	1931 Dauh	-4: 0	
	TTi	r - fuel ratio of t	he petrol engine	is con	trolled	l by	i e e i		
24.		uel pump	(B) governor			injector	(D)	carburetto	
1.								e items to the	
25.	word word	h of the followir certain relation which bears a si- tions (A) (B) (C) : Chhattisgarh	milar relationshi (D).	p with	COVVO	ari micompiete	ייים אונית נ		
24. R		Vainital	(B) Ranchi		(C)	Dehradun	(D)	Bhopal	Mark Mark The Company of the Company
				-16 -1				- Pu	
26.	A STATE OF THE STA	of the following Squirrel Cage Ind	g motors is not s duction Motor	elf-star (B)	rting?	nd Rotor I- 4			
	(A) S	Synchronous Mo	otor	(D)	DC S	nd Rotor Indi Series Motor	uction Mo	tor	
								V 4	
TSI	D001214					Telegraphic Control of the Control o			entitude.

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AL	*			177				
27.	Wha	at is the function of a	feeler gauge	17	ia II an			
	(A)	To measure pitch o	f screw		T	(a rossal	ness
	(C)	To check thickness	of clearance	(B) (D)	To	measure surface measure radius	of circ	ular rod
28.	Whi	ch one of the followin	ng is the large	est sing	gle sc	urce of the Gov	ernmer	nt's earning from to
	(A)	Central Excise (B) Income T	ax	(C)	Customs Dut	y (D)	Corporation Ta
29.	A tr	ansformer transform			10	a spring		
	(A)	frequency		(B)	volt	200	ÿ ₁ = (
	(C)	current		(D)		current and vo	oltage	
30.	The	most widely used un	iversal gates	are :		San		* g * *.
	(A)	OR and AND gates	3	(B)	NO	R and NAND ga	ates	
	(C)	NOR and AND gat	es	(D)		ND and OR gate		
2.51								
31.	200000	movement that came						ent was:
	(A)	Quit India Moveme		1. /	-	ne Rule Moveme		
4.	(C)	Non-Cooperation N	lovement	. (D)	Civi	l Disobedience N	Novem	ent
32.	Whi Gan	ch country has won	the Gold me	edal in	Mei	n's Hockey in r	ecently	concluded Asiar
		Pakistan (B)	India	aje riej	(C)	South Korea	(D)	Malaysia
33.	A co	mputer program tha	t converts ass	embly	lang	uage to machine	langua	age is :
			Interprete			Assembler	(D)	Comparator
	v mer	1 = 1	o esta esta	outy.		150	T - I	
34.		property of a materia	1 by which it	can be				
	. (A)	Elasticity (B)	Plasticity		(C)	Ductility	(D)	Malleability
35.	The	weight of the body at	the center of	the ea	rth is	i oto Mint		
	(A)	Zero	10-20%	£ 4				
	(B)	Infinite	C 6 + b	a aamth				
	(C)	Same as that on the	surface of the	e earth		Jes Kappell	il, all	
	(D)	None of the above	toronto por					
26	The el	eventh part of 990 ×	990 is:					
36.	The el	levelini part of 550 %	,,,,	111	44.1			
	(A)	99.0 (B)	99.99		(C)	90	(D)	90.9

	18	AL
37.	in Capacitor, the electric charge is stored in	AL
	(1) Metal plates	, Y.E.
	(B) dielectric (D) pope of the above	
	(D) none of the above	
38.	The base of a rectangular and the	
1	The base of a rectangular solid is a square, and its height is twice its length. If its volume (A) 560 cm ²	is
1	(A) 560 and	
1	(B) 640 cm^2 (C) 680 cm^2 (D) 720 cm^2	
39.	Lattorius	
	Lettering on a drawing sheet should have :	
	(ex) an appropriate in capital letters	
	(b) all alphabets in small letters	
	(C) in a sentence only first alphabet in capital letter	
	(D) in a sentence only abbreviations in capital letter	
	debic viations in capital letter	
40 .	A watch shows time as 3.25 when and 1	
•	A watch shows time as 3.25 when seen through a mirror, time appeared will be: (A) 8.35 (B) 9.35 (C) 7.35 (D) 8.25	
	(A) 8.35 (B) 9.35 (C) 7.35 (D) 8.25	
41.	A number consists of true 1: 1	
	A number consists of two digits whose sum is 11. If 27 is added to the number, then the digit change their places. What is the number?	S
	(A) $A7$ (B) (C)	
	(A) 47 (B) 65 (C) 83 (D) 92	
42.	A zener diode:	
42.	이 있었다. 그렇게 하시겠다면 하는 이 사람들은 점점에 가려면 하시고 있었다. 그렇게 되었다면 하지만 하지만 그렇게 되었다면 하지만 그렇다면 하다.	
	(A) has a high forward voltage rating	
	(B) has a sharp break-down at low reverse voltage	
	(C) is useful as an amplifier	
	(D) has negative resistance	
	to the term of the service of the se	
43.	Which of the following objects gives a circular section, when it is cut completely by a section	0.1
	plane (irrespective of the angle of the section plane)?	
	(A) Cylinder (B) Sphere (C) Cone (D) Circular lamina	
44.	Who is the present Chief Minister of Gujarat?	
	(A) Anandiben Patel (B) Keshubhai Patel	
	(C) Amit Shah (D) None of the above	
15.	Who acted as the Chairman of the Drafting Committee of the Constituent Assembly?	
10.	(A) Dr. B. R. Ambedkar (B) C. Rajagopalachari	
	- D Lawahar Lal Nohm	
	(C) Dr. Rajendra Flasad (D) Jawattai Lai Neitru	
	If volume and surface area of a sphere are numerically the same, then its radius is:	
16.	(B) 2 (C) 3 (D) 4	
	(A) 1 (B) 2 (C) 3 (D) $\frac{4}{3}$	

AL				
47.	Which country is the	. 1	9	ship?
		(5) India	(C) Australia	Cricket Championship? (D) Pakistan
48.	If TAP is coded as SZ (A) EQDFYG	O, then how is EDER	77	
	(A) EQDFYG	(B) ESDFYF	(C) GQFDYF	(D) EQDDYD
49.	A merchant buys tea	A@₹8 per kg and too	D@ # 14 In The by	o brands of tea, he mixed
	in the mixture is:	@ ₹ 12 per kg. If prof	it realized is 20%, then	ratio of two brands of tea
	(A) 15:2	(B) 1:16	(C) 2:1	(D) none of these
50.	Who was the first Inc	ian horn citizen to he	ve won the Noble Prize	o for Peace ?
	(A) Rabindranath	Cagore (B)	Mother Teresa	e for reace :
	(C) Kailash Satyart	hi (D)		in - All Lorens and S
51.	Which Class	with the Section of Williams	And a man	
J1.	(A) Bhag Milkha B		r the best feature film t	his year ?
	(C) Jolly LLB	hag (B) (D)		
		(D)	Sulab Gallg	r Digita i estado e
52.	The power consumpt	ion of an LCD as com	pared to an LED is:	The state of the s
	(A) Same	(B) More	(C) Less	(D) Can't be defined
53.	Why Sun looks ellipt	ical in shape during s	in-rice and sun-set?	
	(A) Refraction	(B) Reflection	(C) Scattering	(D) Dispersion
•	1	and the state of the	idou ingora Beanga.	
54.	Stainless steel resists	(4)	ur. tooka meessa	
	(A) Carbon	(B) Sulphur	(C) Vanadium	(D) Chromium
	According to kinetic	theory of gases, the al	osoliite zero temperatii	re is attained when :
55.	(A) volume of the g	as is zero	Lesses LVO reserva	to be detained when
	(B) pressure of the	gas is zero	414	The base of the
	(C) · kinetic energy o	of the molecules is zer	0	C band that you
	(D) specific heat of	gas is zero		
		ologia de la cologia de la	wasaa tha t	ai Amarika yan ta'il 🕠
56.	Cells are connected in		life of the cells	hiring the standard and the
	(A) current capacity	y (D)		The second secon
	(C) voltage rating	, L) terriariar voltage	
				um ny aray f _{e i} ty. Ja
57.	An ammeter: (A) is connected in s	series in a circuit		The same of the same
	1111 love	v electrical resistance		
	11	ower	al real with a second	The super side of the second
1	(C) absorbs small po			
	(D) all of the above			

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_					2	0			
58.	The	main cause of ac	cid rain	n (acid pre	cipitat	tion) is	4		
	(A)	SO ₂	(B)	NO_2	P C.	(C)	CH ₄	(D)	All of these
		2	(2)	1102		(C)	C11 ₄	(-)	
59.	A11 3	radiations in a bl	aale ba	.d.,					
•								(D)	absorbed
	(A)	reflected	(B)	refracted	l	(C)	transmitted	(D)	absorbed
60	Di						a de la composición dela composición de la composición dela composición de la compos		
60.		od pressure of a l	nealthy	person is	:		1 24 7		
	(A)	90/60	(B)	200/110		(C)	120/80	(D)	140/60
61.	Wha	at is the product	of all t	he number	rs in th	e dial	of a telephone	?	
	(A)	1,58,480	(B)	1,59,450		(C)	1,59,480	(D)	None of thes
				. 1		(-)	a fall		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
62.	The	term biodiversity	y refers	s to :			8.2		
	(A)	totality of spec			(B)	totali	ty of ecosyster	n of a res	zion
	(C)	totality of gene	s of a	region	(D)		the above	11 01 11 10	
		, 0		0-0-1	(D)	un oi	the above		8 8 m % = [30]
63.	In a	class A amplifie	r with	sinusoidal	innut	sional	the output cur	rrent flow	ve for :
	(A)	half the cycle		omasoraur	(B)	full cy		ileitt Hov	vs 101 .
	(C)	less than half c	vcle		(D)		than half cycl	0	
	()		jere		(D)	more	man han cycl	e	Y. San San
64.	In B	Sourdon tube :		47, (7)	11 14				
	(A)	The deflection	is pror	portional to	proces	ıra diff	orongo		
	(B)	The deflection			_			Y.	1,11
	(C)	The deflection :						ce e	
	(D)	The deflection		to the second second				the state of	10
	(D)	The deficetion	асрен	as on the a	n teni	cratur	c		
65.	The	frequency of em	føener	ated by a c	renerat	or den	ends upon its	No areas	
00.	(A)	speed	Scrien	uteu by u g	(B)	no. of	-	11/2/10	
	(C)	both (A) and (E	8)		(D)		of the above		
	(C)	both (A) and (E	')		(D)	Tione			•
"	Datie	of the voltage a	nd the	DC currer	at in a	closed			
66.		of the voltage a		DC Currer			- 4		
		remains constan	111		(B)	varies			
	(C)	increases			(D)	decrea	ases		
							3'=	30	
67.	DPT	is used to prever	nt:						er end te
	(A)	Tuberculosis	(B)	Diphtheri	a	(C)	Polio	(D)	All of these
	10 TO								
68.	Who	was the ruler of	India	when the 1	East In	dia Co	mpany was se	et un?	
		Aurangzeb	(B)	Akbar			Jahangir	-	Shahi-l
	. ,						-0	(D)	Shahjahan
TSD	00121	4							

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69.	Which of the following places does not have a Rail Coach Factory? (A) Kapurthala (B) Kolkata (C) Perambur (D) Rai Bareli	
70.	Which of the following codes needs 7 bits to represent a character? (A) ASCII (B) BCD (C) EBCDIC (D) GRAY	
71.	Nowadays, to reduce air pollution, the buses of Delhi are running on: (A) Liquified Petroleum Gas (LPG) (B) Compressed Natural Gas (CNG) (C) Compressed Lead Gas (CLG) (D) High Speed Lead free Diesel	
72.	A car can finish a certain journey in 10 hours at a speed of 48 km/hr. In order to cover same distance in 8 hours, the speed of the car must be increased by : (A) 6 km/hr (B) 7.5 km/hr (C) 12 km/hr (D) 15 km/hr	the
73.	National Securities Depository limited (NSDL) deals with: (A) Bearer Bonds (B) GDRs (C) Shares in electronic format (D) None of the above	
74.	Reaming is one of the operations that needs to be done on a job. Which of the follow operations can't be done on this job prior to reaming operation? (A) drilling (B) tapping (C) boring (D) counter boring	
75.	Indicate, which one of the following best describes the term Software? (A) Application programme only (C) Control system (B) Operating System programme only (D) Both (A) and (B)	
76.	Find the missing number: 2, 10, 30, 68, (A) 130 (B) 140 (C) 142 (D) 138	
77.	The Saka era began in the year: (A) 58 BC (B) 78 BC (C) 58 AD (D) 78 AD	
78.	A pile foundation is used when: (A) the loads are heavy (B) the soil stratum near ground surface is (C) both (A) and (B) (D) neither (A) nor (B)	weak
79.	A man rows 750 m in 675 seconds against the stream and returns in 450 seconds. His speed in still water is: (A) 3 km/hr (B) 4 km/hr (C) 5 km/hr (D) 6 km/hr	rowing

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1		22	2 AL
		RAM is used as a short memory because it	the first approximation of the second of the
	80.	(t) is volatile (B)	is very expensive
		(D) has small capacity	-
			F-98rananable
	81.	Find the probability of getting a head in a t	hrow of a coin
		1	or a cont.
	1	(A) $\frac{1}{2}$ (B) 1	(C) 2 (D) none of these
	1	 	
- 4	82.	Who is the present Family 25	
/	٥2.	Who is the present Foreign Minister of India (A) Rainath Singh (B) Arun Initiary	
1		(A) Rajnath Singh (B) Arun Jaitley	(C) Narendra Modi (D) Sushma Swaraj
1	83.	The ratio between in all	
1	00.	The ratio between inertia force and viscous (A) Reynold's number (B)	force is called :
		(C) Maharia manal	Froude's number
7		(C) Weber's number (D)	Euler's number
	84.	25 buses are plying from N.	
	0 1.	travel from Nagpur, in any one bus, to Pune	and back. In how many ways can a passenger
		(A) 50 (B)	49
		(C) 600 (D)	
			Trotte of the above
	85.	An electro-magnet has:	The first terms of the second
		(A) Soft Iron core (B) Steel core	(C) Nickel core (D) Copper core
	86.	What is the chemical name of "Caustic Sod	a" ?
		(A) Sodium Chloride (B)	Sodium Hydroxide
		(C) Sodium Carbonate (D)	Sodium Peroxide
	87.	Who gave the title of "Sardar" to Vallabhbl	
		(A) C. Rajagopalachari (B)	Mahatma Gandhi
		(C) Jawahar Lal Nehru (D)	Dr. Rajendra Prasad
	00	The Wine aread of a tool refere to t	
	88.	The cutting speed of a tool refers to: (A) revolutions made by the tool in a spec	icad time
			passes over the Job
		(D) rate at which cutting edge of the tool	passes over the surface of work piece
	00	The ability of a material to deform without	breaking is called .
	89.	, (D)	(0) 1
		(A) resilience (B) creep	(C) plasticity (D) elasticity
	TSD	0001214	
	100		

AL	23
90.	Metal, which is present in liquid state above 35° C temperature, is:
	(A) Mercury (B) Gallium
	(C) Both (A) and (B) (D) None of these
01	
91.	If $99x + 101y = 299$ and $101x + 99y = 301$, then the correct solution is: (A) $x = 1$, $y = 2$ (B) $x = 3$, $y = 1$ (C) $x = 1$, $y = 3$ (D) $x = 2$, $y = 1$
	(A) $x=1, y=2$ (B) $x=3, y=1$ (C) $x=1, y=3$ (D) $x=2, y=1$
92.	The maximum strength of Lok Sabha is:
	IAI SSI
	(A) 552 (C) 642 (B) 544 (D) None of the above
93.	Find the odd one from the given words:
	(A) Kidney (B) Heart (C) Eye (D) Lung
94.	By selling a towel for ₹ 126.90, a draper loses 6%. For how much should he sell the towel to
	gain 4% ? (A) ₹ 130 (B) ₹ 140.40 (C) ₹ 145.05 (D) ₹ 160
	(A) $\stackrel{?}{=}$ 130 (B) $\stackrel{?}{=}$ 140.40 (C) $\stackrel{?}{=}$ 145.05 (D) $\stackrel{?}{=}$ 160
	그 그 그 그리고 그는 그 그 생님, 그런 생님, 그는 그 그 그래, 이 남쪽, 하지 않시합니다.
95.	The missing figure in the question $\frac{3}{9} \times \frac{?}{6} \times \frac{3}{15} = \frac{1}{18}$ is:
	(D) 3
	(A) 6 (B) 5 (C) 4 (D) 3
	TATE: 1. Cit. Cit. and the main factor of water pollution?
96.	Which of the following is the main factor of water pollution? (A) Smoke (B) Industrial waste (C) Ammonia (D) Detergents
	(A) Smoke (B) Industrial waste (C) Ammonia (D) Detergents
07	Who didn't participate in the revolt of 1857?
97.	(A) Rani Lakshmibai (B) Bhagat Singh
	(C) Nana Saheb (D) Tantya Tope
	그리고 그 그 그 그 그 그 그 그 그 그 그 그 그 그 그 그 그 그
98.	Comparative scale is a pair of scale having a common:
,	(A) unit (B) representative fraction
	(C) length of scale (D) least count
	그리아 마셨다. [1]
99.	DC Series motors are considered most suitable for the application in :
,,,	(B) Water Pumps (C) Traction (D) Flour-mills
	그리는 그는 사람들이 살아 있다면 그리고 있다. 그리고 있는 사람들이 아니라 사람들이 아니라 사람들이 아니라 사람들이 아니라 사람들이 아니라 사람들이 아니라 나를 다 되었다. 그리고 있다면 그리고
100.	Half-wave Rectifier has theoretical maximum efficiency of:
100.	(A) 40.6% (B) 81.2% (C) 76.3% (D) 50%
	그는 아이들 아이들 아이들 것이 그렇게 되었다. 그는 그는 그렇게 되었다. 그런 그리고 아이들 그리고 그렇게 되었다. 아이들 그리고 하는 그리고 있다면 살아가고 있다면 하는 것이 없었다. 이 그렇게 하는 것이 없는 것이다. 그렇게 하는 것이다. 그런데 그렇게 하는 것이다. 그렇게 되었다면 하는 것이다. 그런데 그렇게 되었다면 하는 것이다. 그런데 그렇게 되었다면 하는 것이다. 그렇게 되었다면 하는 것이다면 그렇게 되었다면 하는데 그렇게 되었다면 하는데 그렇게 되었다면 하는데 그렇게 되었다면 하는데 그렇게 되었다면 그렇게
101.	An ideal diode can be considered as an:
There	(A) Amplifier (B) Bi-stable switch (C) Oscillator (D) Fuse

		/.			24				
1	02. W	ch of the follo	wing is not	t a DBMS	software	?			AL
	9	ORACLE	(B) S	SYBASE	(C		(D)	COI Com	
	o f di	iamotor of - :		W s			(D)	SQL Server	
10					()		area of th (D)	ne circle incre 138%	ease ?
19	· In o	rthographic pr	ojections, t	he rays are	assimo	d t-			
/	(A) (C)	diverge from be parallel	station po	int	(B) cor	u to : nverge from stati ne of these	on point		
/105	. A a	nd B together	. L					10 m	e e
/	whi	le A and C tog	ether can	ece of wor	k in 10 d	ays. B and C tog	ether can	do it in 12 d	lays,
	(A)	50 days		10 it in 15 (1 <mark>0 dàys</mark>) C a,	one can complet	e it in :		
				uays .	(C)	30 days	(D) 2	20 days	
100	5. If =	$\frac{\log 16}{\log 2} = x$, then	2. • 2/		*		A Physical I		
]	$\log 2$	α value of α	is:		200			
	(A)	4	(B) -	1	(C)	2	(D) E		
				3		The difference of the	(D) 5	euliga N	
10	7. Flu	oride pollution	mainly affe	ects:		e Faggints		.1.	3
	(A)	teeth		kidney	(C)	brain	(D) he	eart	
10	8 Wr	iting pencil cor	doine.				(D) He	tart	
10	(A)			Lead	(C)	T 10.	20.00		
				/ 1 .	(C)	Lead Sulphate		raphite	
10	9. In s	emi-conductor	terminolog	y, the Dopi	ng is a pr	ocess of :	males so		
	(A) (B)	Furifying sei	niconducto	r material					
	(C)	Increasing in Removal of f		_					
	(D)	Increasing th	0					Proprosed in the	PG-
							de di		
110	V212 V2	heating elemen							
	(A)	Copper	(B) N	lichrome	(C)	Chromium	(D) Tu	ngsten -	20
111	. The	variety of coal	having the	lowest carl	- 1.147	·	7.	,	
,	(A)	Anthracite		ituminous		Lignite	(D) D		
			- 1000 mg	* A				<mark>at</mark> . "ind . t	11
112		is the present		100		*	6 6 6	a productive services	for t
	(A)	Bhupinder Si Manohar Lal	•	•	3) Capt	ain Abhimanyu	Compatible of		dr.
	(C)	Manufai Lai	Mattar	(1	O) None	of the above	Vol.		
							- · · · · ·		

AL	a	2	5		c = 75 cm and
113.	The longest tape w	2 hich can measure exa	ctly the length	of 8 m 25 cm,	6 III 73 C
	4 m 50 cm is: (A) 35 cm	(B) 75 cm	(C) 1 m 50 c	m (D) 4	5 cm
,	(1.2)	(b) 75 cm	(C) 1 III		
114.	An ordinary transfor	mer works on :			
	(A) A.C. (C) Both A.C. and	(B)			
	(C) Both A.C. and	D.C. (D)	Pulsating D.C		10 10 10
115.	For transistor action	:			
	(A) the collector m	ust be heavily doped t	han the emitter r	egion	
		ase junction must be fo	rward biased		1
		n must be narrow n must be N-type mater	rial	1600	
				, do	ubled The final
116.	A perfect gas at 27°	C is heated at constar	nt pressure till it	s volume is do	ubica.
	temperature is : (A) 54°C	(B) 327°C	(C) 108°C	(D) 6	554°C
					a man sitting in
117.	Two trains travel in	opposite direction at he faster train in 8 sec	: 36 km/hr and	of the faster tra	in is:
	(A) 80 m	(B) 100 m	(C) 120 m	(D) 3	180 m
	(11) 33 111				
118.	Internet, initially sta				
	(A) TCP/IP experi	ment ne defence forces of Ar	nerica		
	(C) Croup of resea	rch scientists of Bell La	ab .		
	(D) Contribution w	vas done by all the abo	ve institutions		
		and C invest ₹ 600, ₹	900 and ₹ 1200.r	espectively in a	business. If they
119.	Three partners A, B	9, then C's share of pr	ofit is:	1 ,	
	(A) ₹ 122	(B) ₹ 183.	(C) ₹ 244	(D)	₹ 256
		· Parker			
120.	Select the smallest m	emory size : (B) Gigabyte	(C) Kiloby	te (D)	Megabyte
	(A) Terabyte	(B) Gigabyte			
101	In Binary Algebra, A	+B can be implement	ed by :		Ser . Market
	(A) NAND gates a	lone) IVOIT gates e		* B 164
	(C) AND gates alon	ne (D) Both (A) and	d (B)	
		Company to the second	parting typics at		
122.	Which strength of co	ncrete is maximum?	(C) Fatigu	e (D)	Flexural
	(A) Compressive	(D) 1013101ta1	(-)		
					TSD001214

123	3. 300 grams of sugar solution has 40% sugar in it. How much sugar should be added to make (A) 10 -
	(A) 10 gm (B) 40 gm (C) 60 gm (D) 80 gm 4. Carbon brushes are used in DC electric motors to: (A) prevent sparking during commutation (B) provide a path for flow of current (C) brush-off carbon deposits on the commutator (D) none of the above
125	(A) Lactic Acid (C) Hydrochloric Acid (D) Acetic Acid
126	6. Time and progress chart of a construction, is also known as: (A) Bar chart (B) Gantt chart (C) Modified Milestone chart (D) All of the above
127	7. Which is the most widely used metal for castings? (A) Aluminium (B) Brass (C) Magnesium alloys (D) Cast Iron
128	. Which country is the winner of FIFA World Cup 2014 for Men? (A) Germany (B) Spain (C) Argentina (D) Brazil
129	. Anaemia is caused in man due to deficiency of : (A) Folic Acid (B) Vitamin B ₁₂ (C) Iron (D) All of the above
130.	Spot welding is used for welding both ferrous and non-ferrous metal sheets having thickness up to:
131.	(A) 10 mm (B) 20 mm (C) 30 mm (D) 50 mm In arc welding, eyes need to be protected against: (A) sparks (B) ultraviolet rays (C) infrared rays (D) ultraviolet as well as infrared rays
132.	If $B = 2$, $H = 8$ and $CAB = 6$, then what is the number value of RACE? (A) 31 (B) 30 (C) 28 (D) 27
133.	Which of the following is not a chemical change? (A) Combustion of fuel (B) Electrolysis of acidified water (C) Oxidation/Rusting of Iron (D) Glowing of a platinum wire

AL							
134.	An enterprising businessman earns an income of ₹1 on the first day of his business. On every subsequent day, he earns an income which is just double of that made on the previous day. On the 10 th day of business, his income is:						
	(A) $\stackrel{?}{\stackrel{?}{\sim}}$ (B) $\stackrel{?}{\stackrel{?}{\sim}}$ 2 ¹⁰ (C) $\stackrel{?}{\stackrel{?}{\sim}}$ 10						
135.	A metal when left exposed to atmosphere for some time becomes coated with green basic carbonate, the metal in question is:						
	(A) Nickle (B) Zinc (C) Silver (D) Copper						
136.	The dance form "Garaba" is from which of the following states? (A) Rajasthan (B) Maharashtra (C) Kashmir (D) Gujarat						
137.	. The curve generated by a point on the circumference of a circle, which rolls without slipping						
•	along outside of another circle is known as: (A) Hypocycloid (B) Epicycloid (C) Cycloid (D) Trochoid						
138.	Which of the following is not an operating system? (A) DOS (B) Oracle (C) Linux (D) Windows						
139.	 The Central Processing Unit (CPU) consists of: (A) input, output and processing (B) control unit, primary storage and secondary storage (C) control unit, arithmetic-logic unit and primary storage 						
	(D) control unit, processing and primary storage						
	The product of three consecutive numbers is always divisible by: (A) 4 (B) 6 (C) 8 (D) 5						
141.	In a diesel engine, the fuel is ignited by: (A) spark (B) injected fuel (C) heat resulting from compressing air that is supplied for combustion						
***	(D) ignitor						
142.	Find the missing letters. AZ, BY, CX, DW,						
143.	The purpose of an amplifier is: (A) to increase voltage, current or power of an input signal (B) to attenuate the signal fed to its input (C) to introduce distortion in the signal fed to it (D) Both (B) and (C) TSD00121						

				AL				
	28		of their	age is 35				
144. The ratio of Meena's age to the age of her mother is 3:8. The difference of their age is 35								
January Title 1910 () Their ago after a years Will be.								
(A) 7:12 (B) 5:12	(C) 38	8:43	(D) 42:47					
(b) 3.12	()		71 (7)	11 - J				
145. The line joining the points having the	alayation	above the dat	um surface, is c	alled a :				
(A) contour interval	e same elevation	r surface		20				
, and the same of	,		20 20 20 20 20 20 20 20 20 20 20 20 20 2					
(C) contour line	(D) contour	r gradient						
116		a flag	pole casts a 50) m long				
146. A tree 6 m tall casts a 4 m long sha	dow. At the san	ne time, a mag	pen					
stadow. How long is the mag pole?	2 40 - 300	to by	(D) 50 m					
(A) 75 m (B) 100 m	(C) 15	50 m	(D)					
147 D: 0		23 S. 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1						
147. River flowing towards the West is:			(D) Narmada	a				
(A) Godavari (B) Krishna	(C) Ka	averi	(D) Namada					
148. Heat transfer by radiation mainly de	pends upon :							
(A) its temperature	(B) nature of	of the body						
(C) kind and extent of its surface	(D) all of the	e above						
	2 3 3							
149. You can delete text in MS Word by:			14 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1					
(A) selecting the text and pressing	the CTRL key							
(B) selecting the text and pressing	the DELETE key							
(C) selecting the text and pressing	the ALT + PAGE	UP key						
(D) selecting the text and pressing	the ESC key		1000					
150. Lamps in street lighting are all conne	ected in :							
(A) series (B) parallel	(C) se:	ries - parallel	(D) end - to -	end				
			()/	Cita				
	- o 0 o -							
in the second second			100					
157)								
7 164								
(180)			*					

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