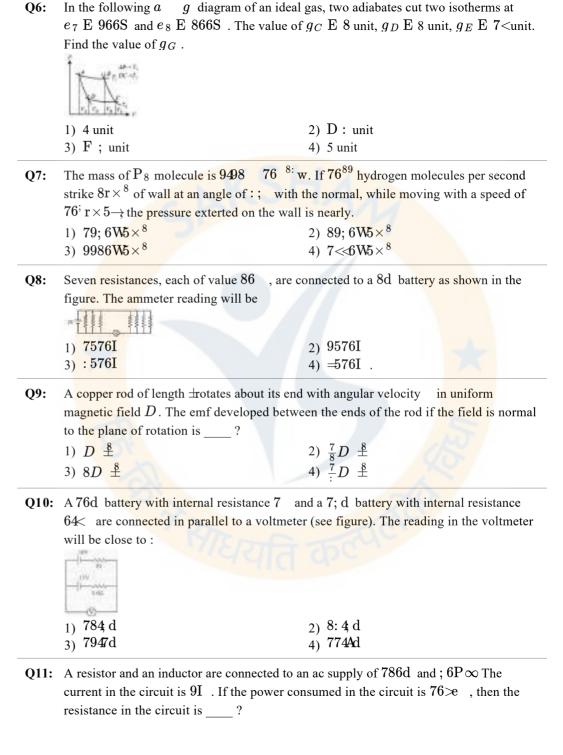


BITSAT TEST

DATE: 20.05.2023

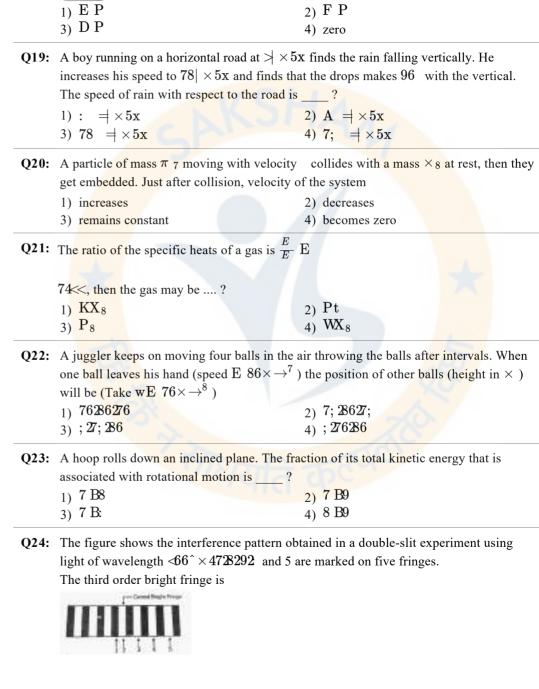
Subject: Physics					
Single Correct Type					
Q1:	Electric potential at any point is $g\to 1$; 1 9 1 7; then the magnitude of the electric field is j V Z ZMb 8668l				
	1) 9 8 3) ; 8 2) : 8 4) 7				
Q2:	The third line of Balmer series of an ion equivalent to hydrogen atom has wavelength of 76 1, ×. The ground state energy of an electron of this ion will be j ZMb 7AA=1 1) 94 td 2) 794 vg 3) ;: 4 td 4) 7884 vg				
Q3:	What is the voltage gain in a common emitter amplifier, where input resistance is 9 and load resistance 8: 2 E 64 1) 4 2):4> 4) 480				
Q4:					
Q5:	Water of volume 2 litre in a container is heated with a coil of 7 e at $8=K$. The lid of the container is open and energy dissipates at rate of $7 < 6R5 \rightarrow$ In how much time temperature will rise from $8=K$ to $==K$? [Given specific heat of water is : $48 R5 w$] 1) $>> \hat{y} \cdot 86 \rightarrow$ 2) $<> \hat{y} \cdot 8 \rightarrow$ 3) $=> \hat{y}$ 4) $7: \times \hat{y}$				



1	78	2):6
3	3) .; 8 8; /	4) 9<6
2: F	Four point charges b 2 28 and 8b are	placed, one at each corner of the square. The
	elation between b and for which the pote	
	?	1
1	<u> </u>	2) b E ⁷
3	b E	4) b E ⁷
	,	., , ,
3: T	Two long parallel wires carry equal current of	aflowing in the same direction are at a
d	listance $8\mathrm{s}$ apart. The magnetic field D at a	point lying on the perpendicular line joining
tl	he wires and at a <mark>distan</mark> ce from the midpo	oint is?
1	$\frac{6\alpha}{1^{8}1^{8}}$	$2) \frac{6\alpha}{t^{8}}$
	,	,
3	$\frac{6^{\alpha}}{\left t^{8}\right ^{8}}$	4) $\frac{6^{ct}}{ t ^8 t ^8}$
	$ \frac{K}{c VE} $ $ \frac{K}{VE} $ $ \frac{K}{8c} $	2) $\frac{Kc}{8 \overline{VE}}$ 4) $\frac{K \overline{VE}}{c}$
	80	<i>c</i>
	The acceleration due to gravity on the surfac	
	earth and the diameter of the moon is one-fo	burth that of earth. The ratio of escape
	relocities on earth and moon will be?	70
1	$\frac{1}{8}$	2) 8:
3	3) 3	4) $\frac{\overline{9}}{8}$
6.	70000	dp C
6: _C	Given $a \to 8\alpha + 9\beta 1 : \theta$ and $b \to \beta$?	8θ . The magnitude of their resultant is
_ 1	9	2) 8 9
	3) 9 9	4): 9
	<u>*</u>	<i>'</i>
	_	cal components of magnetic fields are equal,
	hen the angle of dip will be ?	10
1	96	2) A6

4) 6

3):;



Q18: Figure shows a capillary rise P . If the air is blown through the horizontal tube in the

direction as shown then rise in capillary tube will be

	1) 2	2) 3	3) 4	4) 5
Q25:	A point object Z is $\mathfrak p$	placed in front of a glas	s rod having	g spherical end of radius of
	curvature 30 $\mathbf{r} \times$. The	ne image would be forn	ned at	
	Grade Storm 9-13			
	1) $96r \times left$		2) infinit	v
	3) $7r \times$ to the right			to the left
Q26:	In Young's double sl	it experiment, LE; 66	^× , s E '	7 imes 2L E $7 imes$. Minimum
	_	-		is half of the maximum intensity
	is ?			
	1) 84; 76 ·×		2) 748;	76 × ; 76 ×
	3) 64×8; 76 · ×		4) 64978	; 76 · · ×
Q27:	A particle of mass ×	executes simple harm	onic motior	with amplitude n and frequency
	. The <mark>average ki</mark> ne	tic energy during its me	otion from t	he posit <mark>ion of equili</mark> brium to the
	end is?			
	1) $8^{-8}\pi n^{8-8}$		2) ${}^{8}\pi$ 7 4) : ${}^{8}\pi$	18 8
	3) $\frac{7}{10}\pi n^8 8$		4): $^{8}\pi$	n^{8-8}
Q28:	The binding energy	per nucleon of ⁷⁶ g is A	Wtd and t	hat of ⁷⁷ g is ≠ Vtd where g
				o remove a neutron from ⁷⁷ g is
	?			
	1) = Vtd		2) 84 V 4) 64 V	td
	3) >V td		4) 64 V	td
Q29:	If K, the velocity of	light, wthe acceleratio	n due to gra	nvity and Z the atmospheric
	pressure be the fund	amental quantities in M	IKS system	, then t <mark>he dimensions</mark> of length
	will be same as that	of ?		
	1) $\frac{E}{y}$		2) $\frac{E}{a}$	
	3) ŽKw		2) $\frac{E}{a}$ 4) $\frac{E^8}{u}$	
		1991	9	
Q30:				e filament and plate is 9666d.
		ocity of electron emitti	_	-
	1) 9 $76^{>}\times5\rightarrow$			$76 \stackrel{=}{\sim} 5 \rightarrow$
	3) 94, 8 $76^{-1} \times 5$	\rightarrow	4) 948<	$76^{=}\!\!\times 5\!\!\rightarrow$

Subject: Chemistry

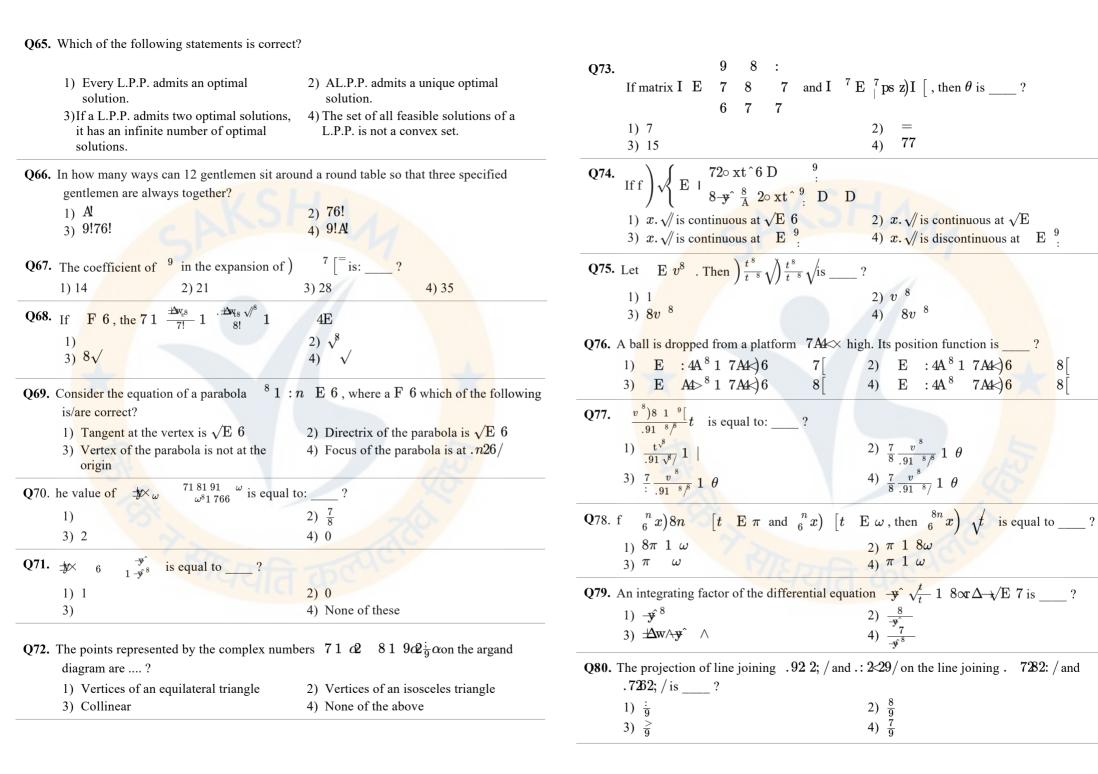
	Subject. Che	amisti y			
Single Correct Type					
) 31.	Which of the following is strongest nucleopted 1) J 3) BKW	nile 2) BXP 4) K ₈ P; X:			
)32.	Identify the incorrect statement from the fol	lowing ?			
	1) Ozone absorbs the intense ultraviolet radiation of the sun.	2) Depletion of ozone layer is because of its chemical reactions with chlorofluoro alkanes.			
	3) Ozone absorbs infrared radiation.	4)Oxides of nitrogen in the atmosphere can cause the depletion of ozone layer.			
233.	Which of the following is not a member of c	halcogens?			
	1) X	2) a			
	3) at	4) Po			
)34.	4. The blue colour of snail is due to presence of?				
	1) Albumin	2) Haemocyanin			
	3) Globulins	4) Fibrinogen			
)35.	Which of the following is a diamine?				
	1) Dopamine	2) Histamine			
	3) Meprobamate	4) Chlorphenamine			
236.	Which of the following will have a meso-iso	omer also?			
	1) 2, 3-Dichloropentane	2) 2,3-Dichlorobutane			
	3) 2-Chlorobutane	4) 2-Hydroxypropanoic acid			
)37.	Pick out the wrong statement.	Though			
	1) Nitrogen has the ability to form bonds with itself.	2) Bismuth forms metallic bonds in elemental state.			
	 Catenation tendency is higher in nitrogen when compared with other elements of the same group. 	4)Nitrogen has higher first ionisation enthalpy when compared with other elements of the same group.			
238.	Which of the following element do not form	complex with EDTA?			
	1) Kp	2) V w			
	3) J t	4) a			

Q39. $766 \times TX_8$ and P_8 kept at same tempera number of molecules	ture and pressure. What is true about their		The point of inter section of the two curves
1) $WX_8 F WP_8$	2) WX ₈ D WP ₈	represents	
$_{3)}^{\prime}$ WX ₈ E WP ₈	4) WX ₈ 1 WP ₈ E 7 mole	1 (1)	
Q40. According to molecular orbital theory which magnetic character around order is correct	1 -	1) 758 3) 859	2) 95:4) Data insufficient to predict
 Paramagnetic and Bond ΔstD X₈ Diamagnetic and Bond order D X₈ 	 2) Paranidg tic and Bond order F X₈ 4) Diamagnetic and Bond order F X₈ 	Q47. Freundlich equation for adsorption of gas	
Q41. If g is the volume of one molecule of gas constant p is ? 1): d	under given conditions, the van der Waal's 2) :d We	π w) at constant temperature can be exp 1) $\pm \Delta w_{\pi} \to \pm \Delta w$ 1 $\frac{7}{\omega} \pm \Delta w T$ 3) π	
3) W ₆ : d	$\mathbf{A}_{0}:\mathrm{d}\mathbf{W}_{6}$	Q48. Which of the following feature of catalys	ts is described in reactions given below?
Q42. For vaporization of water at 1 atmospheric	, respectively. The temperature when Gibbs	(i) KX w 1 8P ₈ w Ke5i $^{\circ}$ X K.8X8 (ii) KX w 1 P ₈ w Ke PKPX (iii) KX w 1 P ₈ w W KP:	$\mathbf{w} $ 1 $\mathbf{P}_{8}\mathbf{X}$ \mathbf{w}
Q43. The Ω P of 6 4 $^{\circ}$ V solution of the followin	-	1) Activity3) Catalytic promoter	2) Selectivity4) Catalytic poison
) -	2) PK±D WP: K±D WpK±D WpKW 4) PK±D WpK±D WpKWD WP: K±	Q49. Which one of the following cyano comple paramagnetic behaviour?	exes would exhibit the lowest value of
	84, 4I ⇌ : ally flask and allowed to dissociate. Concentration	1) jKΔKW/ ₂ l ⁹ 3) jV ^ .KW/ ₂ l ⁹	2) jNt.KW/ ₂ 1 ⁹ 4) jKKW/ ₂ 1 ⁹ (At. Nos: KΕ 8: 2V ^ Ε 8; 2Nt Ε 8<2ΚΔ) Ε 8=
of X_8 at equilibrium is $84 \ V$. Equilibrium 1) $746 \ V$ 3) $847 <\!\!<\!\! V$	2) 74 V 4) 74: <v< td=""><td>Q50. Consider the reactions A. P_8X_8 1 8PQ Q 1 8P₈X B. $PXK\pm 1$ P_8X_8 P_9X^1 1 $K\pm 1$</td><td>Xs</td></v<>	Q50. Consider the reactions A. P_8X_8 1 8PQ Q 1 8P ₈ X B. $PXK\pm 1$ P_8X_8 P_9X^1 1 $K\pm 1$	Xs
Q45. The IUPAC name of the compound is		Which of the following statements is correactions? Hydrogen peroxide is	rect about P_8X_8 with reference to these
1) 3,3 -dimethyl-1-cyclohexanol	2) 1,1 -dimethyl-3-hydroxy cyclohexane	1) an oxidising agent in both A and B	2) an oxidising agent in A and reducing agent in B
3) 3,3 -dimethyl-1-hydroxy cyclohexane	4) 1,1 -dimethyl-3-cyclohexanol	3) a reducing agent in A and oxidising agent in B	4) a reducing agent in both A and B

Q51. Which of the following is the correct and the central atom? 1) QN=D QN; D K-N9 D g t N8 3) QN=D K-N9 D g t N8 D QN;	ncreasing order of lone pair of electrons on 2) QN=D g tN ₈ D K-N ₈ D QN; 4) QN=D g tN ₈ D QN; D K-N ₉	1) 1 2) 3) 4)			
Q52. Each edge of a cubic unit cell is $:66\Omega \times$ long. If atomic mass of the element is 120 and its density is $<\!\!\!\!/8$; $<\!\!\!\!/8$; $<\!\!\!\!\!/8$; $<\!\!\!\!\!/8$; $<\!\!\!\!\!/8$; $<\!\!\!\!\!/8$, the crystal lattice is $:$ (use $<\!\!\!\!\!\!/$ (use $<\!\!\!\!\!\!\!\!/$ $<\!$		Q59. A $76646 \times T$ dillute solution of I w ¹ is electrolysed for 7; 46 minutes with a current of 748 ; ×I and the silver is removed completely. What was the initial $\sqrt[4]{w^1}$? 1) $8498 76 7$ 2) $8498 76 7$			
Q53. ΩP of a 647V monobasic acid is found to temperature TK is? 1) 647] b 3) 747] b	b be 84Hence, its osmotic pressure at a given 2) 6477] b 4) 6467] b	3) 8498 76 9 Q60. The rate constant of a reaction is 74, activation energy is ? 1) 9999	4) $747 < 76$; 76 9 at 8; K and 847 76 8 at <6 K. The 2) $\frac{8A > 999}{9}$] $\pm \Delta w_{t} \frac{87}{74}$		
1) jK \in WP 9/: laX: P8X (square planar)	ne formula of this blue compound is:?	3) $\frac{8A>999}{9}c \pm w_v 847$	4) 8A> 999 Aw 847 74		
Q55. The 8; \times T of a 647; V solution of lead a aluminium sulphate, I \pm aX: /9, present concentration of the I \pm aX: /9? 9Zq. WX9/8.p-/1 I \pm aX: /9.p-/	nitrate, $\operatorname{Zq.WX_9/_8}$ reacts with all of the at in $86 \times \operatorname{T}$ of a solution. What is the molar $\operatorname{9ZqaX_:} . \not \to 1 \operatorname{8I} \pm \operatorname{WX_9/_9}. \operatorname{p-/}$	Q61. The num The number of ways in which competitors is ? 1) 10 2) 60 Q62. The probability of getting 10 in a single			
$ \begin{array}{cccc} 1) & & & & 76 & ^{8}V \\ 3) & 647 & & & V \end{array} $	 2) 84 87 76 ⁸V 4) None of these 	$ \begin{array}{ccc} 1) & \frac{7}{\leqslant} \\ 3) & \frac{7}{A} \end{array} $	2) $\frac{7}{5}$ 4) $\frac{7}{7}$		
Q56. If the Planck's constant x E		 Q63. If the constraints in a linear programmir 1) The problem is to be re-evaluated. 3) The objective function has to be modified. 			
Q57. Following are colours shown by some alkar following are not correctly matched? Metal	line earth metals in flame test. Which of the	Q64. In a binomial distribution, the mean is 4 1) 5 3) 4	4 and variance is 3. Then its mode is? 2) 6 4) None of these		
1) (i) and (iii)	2) (i) only				

3) (ii) only

4) (ii) and (iii)



Q81. The Boolean expression . / Ω 3) Ω	. /is equivalent to : ? 2) - 4) p	Q89. The value of $\frac{\text{ry} \cdot 628}{\text{satisfy}}$	ing the mean value theorem for	or the function
Q82. The domain of the function x		1) $\frac{9}{1}$ 3) $\frac{7}{9}$	2) : 9 4) 8 9	
integer less than or equal to $^{'}$, is $_$ 1) .62 $^{'}$ 3) . 2 $^{'}$	2) . 26/4) None of these	Q 90. f E $\frac{17}{17}$ 1 $\frac{17}{7}$, then $\frac{t^8}{t^8}$ 1) $\frac{=}{17}$ 3) $\frac{7}{17}$	2) = 4) = 4)	
$rac{rac}{rac}$ $rac{R}{8}$ is equal to? 1) = 5A 3) 759	plain triangle and \Rightarrow $^{}$ $\stackrel{1}{8}$ $\stackrel{1}{E}$ $\stackrel{7}{9}$ $\stackrel{2}{\Rightarrow}$ $^{}$ $\stackrel{1}{8}$ $\stackrel{8}{E}$ $\stackrel{8}{9}$. Then 2) 85A 4) 859 5: , then the locus of $\stackrel{1}{E}$ $\stackrel{1}{\alpha}$ is $\stackrel{1}{}$?	Q91. If in a frequency distribution, the mode is approximately? 1) 8; 4; 3) 8846	2) 8: 46 4) 864	d 22 respectively, then its
1) 1 7 E 6 3) 1 1 7 E 6	2) 7 E 6 4) 1 7 E 6	Q92. Number of solutions of — y ^ A 1) 16 2) 17	$\mathbf{E} - \mathbf{\hat{y}}$ in the interval $\mathbf{j}628$	l is ? 4) 15
$\begin{array}{c} 1) ; 2 : 2^{7}; 8^{-9} \\ 3) ; 2 2^{-7}; 8^{-9} \end{array}$	1 E 9>6 are ? 2) ;2 2 7; 9 4) ;2 :27; 8 E 6) p2q F 6[are ?	Q93. A pole stands vertically inside a top of the pole from each corn -? 1) centroid 3) incentre	2) circumcent 4) orthocentre	ne foot of t <mark>he pole is</mark> at the -
 Both positive Of opposite sign 	2) Both negative4) None of these	Q94. If $n2p2q$ are in G.P., then1) $p^8 2q^8 2r^8$ are in OZ.		$(2q^8)n \frac{1}{p}[2p^8)n \frac{1}{p}$ are
Q87. Eccentricity of ellipse $\binom{8}{n^8}$ 1 $\frac{8}{p^8}$ E 7 ? 1) 95: 3) ; 5<	7 if it passes through point . A2, / and . 782 / is 2) : 5; 4) <5=	3) $\frac{n}{p1} 2 \frac{p}{q1} n 2 \frac{q}{n1} p$ are in G.P. Q95. The locus of the point of interse represent. being a parameter	4) None of the ection of the lines $\begin{bmatrix} E & n \end{bmatrix} \frac{7}{7}$	
Q88. 7 8 8		1) circle 2) parabo		4) hyperbola
If $C \to \frac{7}{9} + 8 + 7 + 8$ is an orthogonal matrix, then? $n + 8 + p$ 1) p E $82q \to 7$ 2) $n \to 82p \to 7$		Q96. Number of solutions of the equal 1) 3 2) 2	3) 1	⁷)7 $\left[\begin{array}{cc} E & \frac{1}{8} \text{ are ?} \\ & 4) & 0 \end{array}\right]$
3) n E 82p E 7	4) n E 82p E 7	Q97. If $x \cdot / E \rightarrow 20 \text{ xt}$ y $E \cdot r\Delta \rightarrow 20 \text{ xt}$ y $A \rightarrow 20 $	y.p ≡y ∕î p±	at $\sqrt{\mathrm{E}}$ ^ 1 5:

Q98. The value of the integral $\binom{p}{n} - \frac{-t}{1 + n1 \cdot p}$ is: _____?

1)

2) $\frac{7}{8}$ p n

3) 58

4) q p

Q99. If al $\beta 2\beta 1$ $\theta 2\alpha 1$ θ are the position vectors of the vertices of a triangle CDE taken in order, then I is equal to ?

1) $\overline{8}$

 $2) = \frac{1}{3}$

3) =

4) $\frac{1}{9}$

Q100: $f \pi \rightarrow \hat{y}$ E $\omega \rightarrow \hat{y}$. 1 8 / then $\Rightarrow \hat{z}$. 1 / is ____ ?

1) ×1 , →

2) ×1 ^ ¬

3) $\frac{\hat{\pi}}{\pi} \frac{1}{\omega} \mathbf{r} \Delta \rightleftharpoons$

4) $\frac{\hat{\pi}}{\pi} \frac{1}{\omega} \mathbf{r} \Delta =$

Subject: EP & LR

Single Correct Type

Q101:Choose the word which is most similar in meaning to the word 'Optimistic'.

1) Favourable

2) Gloomy

3) Hopeful

4) Rude

Q102: The likelihood of at least 600,000 deaths being caused annually in India by fine particulate matter pollution in the air is cause for worry, even if the data released by the World Health Organisation are only a modelled estimate. The conclusion that so many deaths could be attributed to particulate matter 84 micrometres or less in size is, of course, caveated, since comprehensive measurement of PM 84 is not yet being done and the linkages between pollution, disease and deaths need further study. What is not in doubt is that residents in many urban areas are forced to breathe unhealthy levels of particulates, and the smallest of these - PM10 and less - can penetrate and get lodged deep in the lungs. The WHO Global Burden of Disease study has been working to estimate pollution-linked health impacts, such as stroke and ischaemic heart disease, acute lower respiratory infection and chronic obstructive respiratory infection and chronic obstructive pulmonary disease. Data on fine particulates in India show that in several locations the pollutants come from burning of biomass, such as coal, fuel wood, farm litter construction debris, road dust and vehicular exhaust construction debris, road dust and vehicular exhaust Air Quality Index last year aimed at improving pollution Air Quality Index last year aimed at improving pollution the best evidence available on the terrible toll taken by the best evidence available on the terrible toll taken by neglected aspect of urban air pollution control is the virtual discarding of the Construction and Demolition Waste Management Rules, notified to sustainably manage debris that is dumped in the cities, creating severe particulate pollution.

The Environment Ministry has highlighted the role that debris can play as a resource. Municipal and government contracts are, under the rules, required to utilise up to 20 per cent materials made from construction and demolition waste, and local authorities must place containers to hold debris. This must be implemented without delay. Providing cleaner fuels and scientifically designed cookstoves to those who have no option but to burn biomass, would have a big impact on reducing particulate matter in the northern and eastern States, which are the worst-hit during winter, when biomass is also used for heating. Greening the cities could be made a mission, involving civil society, with a focus on landscaping open spaces and paving all public areas to reduce dust. These measures can result in lower PM 10 and PM 2.5 levels. Comprehensive measurement of these particulates is currently absent in many cities, a lacuna that needs to be addressed. According to the WHO Global Burden of Disease study which of the following is/are pollution linked health impacts?

- (I) Infection of the lower respiratory system
- (II) Chronic obstructive pulmonary disease
- (III) Stroke and ischaemic heart disease

1) Only (I)

2) Only (III)

3) Both (I) and (II)

4) All of the above

Q103:The likelihood of at least 600,000 deaths being caused annually in India by fine particulate matter pollution in the air is cause for worry, even if the data released by the World Health Organisation are only a modelled estimate. The conclusion that so many deaths could be attributed to particulate matter 84 micrometres or less in size is, of course, caveated, since comprehensive measurement of PM 84 is not yet being done and the linkages between pollution, disease and deaths need further study. What is not in doubt is that residents in many urban areas are forced to breathe unhealthy levels of particulates, and the smallest of these - PM10 and less - can penetrate and get lodged deep in the lungs. The WHO Global Burden of Disease study has been working to estimate pollution-linked health impacts, such as stroke and ischaemic heart disease, acute lower respiratory infection and chronic obstructive respiratory infection and chronic obstructive pulmonary disease. Data on fine particulates in India show that in several locations the pollutants come from burning of biomass, such as coal, fuel wood, farm litter construction debris, road dust and vehicular exhaust construction debris, road dust and vehicular exhaust Air Quality Index last year aimed at improving pollution Air Quality Index last year aimed at improving pollution the best evidence available on the terrible toll taken by the best evidence available on the terrible toll taken by neglected aspect of urban air pollution control is the virtual discarding of the Construction and Demolition Waste Management Rules, notified to sustainably manage debris that is dumped in the cities, creating severe particulate pollution.

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- 1) Eastern and Southern states are worst hit in winter by burning of biomass.
- 3)Data on fine particulates in India show that in several locations the pollutants come from the smoke emitted by vehicles.
- 2) The smallest particulate matter PM2.5 penetrates and gets lodged in lungs.
- 4) None is true

Q104:The likelihood of at least 600,000 deaths being caused annually in India by fine particulate matter pollution in the air is cause for worry, even if the data released by the World Health Organisation are only a modelled estimate. The conclusion that so many deaths could be attributed to particulate matter 84 micrometres or less in size is, of course, caveated, since comprehensive measurement of PM 84 is not yet being done and the linkages between pollution, disease and deaths need further study. What is not in doubt is that residents in many urban areas are forced to breathe unhealthy levels of particulates, and the smallest of these - PM10 and less - can penetrate and get lodged deep in the lungs. The WHO Global Burden of Disease study has been working to estimate pollution-linked health impacts, such as stroke and ischaemic heart disease, acute lower respiratory infection and chronic obstructive respiratory infection and chronic obstructive pulmonary disease. Data on fine particulates in India show that in several locations the pollutants come from burning of biomass, such as coal, fuel wood, farm litter construction debris, road dust and vehicular exhaust construction debris, road dust and vehicular exhaust Air Quality Index last year aimed at improving pollution Air Quality Index last year aimed at improving pollution the best evidence available on the terrible toll taken by the best evidence available on the terrible toll taken by neglected aspect of urban air pollution control is the virtual discarding of the Construction and Demolition Waste Management Rules, notified to sustainably manage debris that is dumped in the cities, creating severe particulate pollution.

The Environment Ministry has highlighted the role that debris can play as a resource. Municipal and government contracts are, under the rules, required to utilise up to 20 per cent materials made from construction and demolition waste, and local authorities must place containers to hold debris. This must be implemented without delay. Providing cleaner fuels and scientifically designed cookstoves to those who have no option but to burn biomass, would have a big impact on reducing particulate matter in the northern and eastern States, which are the worst-hit during winter, when biomass is also used for heating. Greening the cities could be made a mission, involving civil society, with a focus on landscaping open spaces and paving all public areas to reduce dust. These measures can result in lower PM 10 and PM 2.5 levels. Comprehensive measurement of these particulates is currently absent in many cities, a lacuna that needs to be addressed. As per the given passage, which of the following is/are the measures for lowering particulate matter in the atmosphere?

- (I) Making cleaner fuels available
- (II) Landscaping open areas
- (III) Providing cooking stoves designed scientifically
- 1) Only(I)

2) Both (I) and (II)

3) All of the above

4) None of these

Q105:Read the sentence to find out whether there is any grammatical error or idiomatic error		1) RSTUP	2) TPUSR	3) SRPTU	4) TRSPU	
in it. The error, if any, will be in one part of the sentence. The letter of that part is the answer. If there is no error, the answer is (D). (Ignore errors of punctuation, if any.) Despite being (A)/ a good teacher, (B)/ he has no influence on his pupil. (C)/ No error (D) 1) A 2) B 3) C 4) D			Q110:If sentence (R) "Clinical trials involving human subjects have long been a flashpoint between bioethicists and clinical research organisations (CROs) in India." is the first sentence, what is the order of other sentences after rearrangement? (P) Such over-volunteering occurs more frequently in bioequivalence studies, which test the metabolism of generics in healthy subjects. (Q) Landmark amendments to the Drugs and Cosmetics Act in 2013 led to better protection of vulnerable groups such as illiterate people, but more regulation is needed to ensure truly ethical research. (R) Clinical trials involving human subjects have long been a flashpoint between bioethicists and clinical research organisations (CROs) in India.			
Q106:Read the sentence to find out whether there is any grammatical error or idiomatic error in it. The error, if any, will be in one part of the sentence. The letter of that part is the answer. If there is no error, the answer is (D). (Ignore errors of punctuation, if any.) A group of trees is known as? 1) grove 2) parliament 3) heap 4) hedge						more regulation is needed a flashpoint between
Q107:Choose the word which is most opposite in meaning to the word 'Drowsy'. 1) Sleepy 2) Nodding 3) Yawning 4) Wakeful Q108:Hey, Nanny, speak about the devil and you are here. (I) speak at the devil (II) speak on the devil (III) speak of the devil			(S) The big problem plaguing clinical research is an over-representation of low-income groups among trial subjects.(T) While CROs have argued that more rules will stifle the industry, the truth is that			
			ethical science is often better science. (U) Sometimes CROs recruit them selectively, exploiting financial need and medical ignorance; at other times people over volunteer for the money. 1) PQSUT 2) QSTPU 3) SUPTQ 4) QTSUP			
1) Only (I) is correct 2) Only (II) is correct 3) Only (III) is correct 4) No correction required Q109:If sentence (Q) "The Finance Ministry's warning to potential investors in bitcoin and other cryptocurrencies has come at a time when a new, seemingly attractive investment		Q111:Read the sentence to find out whether there is any grammatical error or idiomatic error in it. The error, if any, will be in one part of the sentence. The letter of that part is the answer. If there is no error, the answer is (D). (Ignore errors of punctuation, if any.) A group of sheep is known as? 1) bunch 2) herd 3) band 4) fleet			e letter of that part is the	
area has opened up that few have enough information about." is the first sentence, what is the order of other sentences after rearrangement? (P) One of the main reasons for this volatility is speculation and the entry into the market of a large number of people lured by the prospect of quick and easy profits. (Q) The Finance Ministry's warning to potential investors in bitcoin and other cryptocurrencies has come at a time when a new, seemingly attractive investment area has opened up that few have enough information about. (R) A number of investors, daunted by the high price of bitcoin, have put their money into less well-established and often spurious cryptocurrencies, only to lose it all. (S) Investment in bitcoin and other cryptocurrencies increased tremendously in India over the past year, but most new users know close to nothing of the technology, or how to verify the genuineness of a particular cryptocurrency. (T) The price of bitcoin, the most popular of all cryptocurrencies, not only shot up by well over 7666) over the course of the last year but also fluctuated wildly. (U) The government's caution comes on top of three warnings issued by the Reserve Bank of India since 86794			Q112:He is really feeli (I) feeling like t (II) feeling over (III) feeling in t 1) Only (I) is co 3) Only (II) is co	ng under the weather the weather the weather he weather he weather orrect	<u> </u>	cold.
			Q113:By working part- both worlds. (I) the best at both (II) the best of both (III) the best on the control of	oth worlds both worlds both worlds orrect	2) Only (II) is 4) No correction	

Q114:The likelihood of at least 600,000 deaths being caused annually in India by fine particulate matter pollution in the air is cause for worry, even if the data released by the World Health Organisation are only a modelled estimate. The conclusion that so many deaths could be attributed to particulate matter 84 micrometres or less in size is, of course, caveated, since comprehensive measurement of PM 84 is not yet being done and the linkages between pollution, disease and deaths need further study. What is not in doubt is that residents in many urban areas are forced to breathe unhealthy levels of particulates, and the smallest of these - PM10 and less - can penetrate and get lodged deep in the lungs. The WHO Global Burden of Disease study has been working to estimate pollution-linked health impacts, such as stroke and ischaemic heart disease, acute lower respiratory infection and chronic obstructive respiratory infection and chronic obstructive pulmonary disease. Data on fine particulates in India show that in several locations the pollutants come from burning of biomass, such as coal, fuel wood, farm litter construction debris, road dust and vehicular exhaust construction debris, road dust and vehicular exhaust Air Quality Index last year aimed at improving pollution Air Quality Index last year aimed at improving pollution the best evidence available on the terrible toll taken by the best evidence available on the terrible toll taken by neglected aspect of urban air pollution control is the virtual discarding of the Construction and Demolition Waste Management Rules, notified to sustainably manage debris that is dumped in the cities, creating severe particulate pollution.

The Environment Ministry has highlighted the role that debris can play as a resource. Municipal and government contracts are, under the rules, required to utilise up to 20 per cent materials made from construction and demolition waste, and local authorities must place containers to hold debris. This must be implemented without delay. Providing cleaner fuels and scientifically designed cookstoves to those who have no option but to burn biomass, would have a big impact on reducing particulate matter in the northern and eastern States, which are the worst-hit during winter, when biomass is also used for heating. Greening the cities could be made a mission, involving civil society, with a focus on landscaping open spaces and paving all public areas to reduce dust. These measures can result in lower PM 10 and PM 2.5 levels. Comprehensive measurement of these particulates is currently absent in many cities, a lacuna that needs to be addressed. The conclusion regarding the deaths attributed to particulate matter 84 micrometers is considered to be caveated because

- 1) Measurement of all aspects of PM2.5 has been done comprehensively
- 3) Relation between pollution, disease and 4) None of these death is complete
- 2) Measurement of all aspects of PM2.5 is not radical

			l error or idiomatic error e letter of that part is the
		is (D). (Ignore errors on the party (A)/our ca	of punctuation, if any.) ar met with an accident,
•	•	home safely. (C)/No e	
1) A	2) B	3) C	4) D
Q116: If; % <e 787="" ar<="" td=""><td>nd $76\%{>}{ m E}$ $98:$, then</td><td>n find the value of 89%</td><td>%7: Е?</td></e>	nd $76\%{>}{ m E}$ $98:$, then	n find the value of 89%	%7: Е?
1) 1369	2) 1349	3) 1331	4) 725
Q117:Choose the correct L_NO_MLLM		e given ones that will c	complete the series.
1) MNNNO	2) MONNO	3) MONON	4) MONNN
Q118:Choose the correct 8828<2; 92 <a27< th=""><th></th><th>3) 250</th><th>4) 245</th></a27<>		3) 250	4) 245
Q119:Select the missing		en responses.	
1) <mark>888</mark>	2) 788	3) 848	4) 842
Q120:In a code languag	e, if REGAINS is cod	ed as QDFZHMR, then	n the wo <mark>rd PERIO</mark> DS will
$1) \times \mathbb{K}[WPK]$		2) XLL[PK]	
3) ODQHNCR		4) ODQHNRC	XO
Q121:Which of the follocube in the quest		ver figure cannot be ma	ade based on the unfolded
1)		2)	
3)		4)	

Q122:Select the related letter/word/ number from the given alternatives.

Distance: Odometer 156?: Barometer

1) Humidity

2) Pressure

3) Thickness

4) Wind

Q123:Identify the figure that will complete the pattern.				
1)	2)			
3)	4)			
Q124:Which one of the following diagram representations and Female.	ents the correct relationship among Professor,			
1)	2)			
3)	4)			
Q125Find the odd word/letters/ number pair/numb				
1) 24-1614 3) 786 : 98;	2) 270-569 4) 7<8 <a96< td=""></a96<>			