



MAY 2024

Q.NO	QUESTIONS	ANS	EXPLANATIONS
1.	Ayesha's father was 38	С	Mother's age when Ayesha's brother
	years of age when she was		was born = 36 years.
	born while her mother was		Father's age when Ayesha's brother
	36 years old when her		was born = (38 + 4) years = 42 years.
	brother four years younger		Therefore, the required difference =
	to her was born. What is		(42 – 36) years = 6 years
	the difference between the		
	ages of her parents?		
	(a) 2 years		
	(b) 4 Years		
	(c) 6 years		
	(d) 8 years		
2.	The price of an item is	D	Decreasing a price by 10%, then by
۷.	decreased by 10%, then by		20%, and then by 30% is equivalent
	20%, and finally by 30%.		to taking 90% of a price, then
	This is equivalent to:		taking 80% of the remaining price,
	(a) Decreasing the price by		and then taking 70% of that. That, in
	50.4%		turn, is equivalent to multiplying
	(b) Decreasing the price by		the price by 0.90, then by 0.80, and
	60%.		then by 0.70.
	(c) Decreasing the price by		For simplicity's sake, assume the
	40.5%		initial price was Rs. 100. Then we
	(d) Decreasing the price by		_
	49.6%		can calculate the final price as
			follows:





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			Final price = 100 × 0.9 × 0.8 × 0.7 = Rs. 50.40
			So, we essentially discounted the
			original price by Rs.49.60, which is
			49.6%.
3.	Anand gives 35% of the	С	Anand gave away 35%+50% = 85% of
3.	money he had to his wife	C	his money to his wife and sons. So,
	and gave 50% of the		he is left with 15% of the money.
	money he had to his sons.		_
	Remaining amount of		Using unitary method,
	Rs.12,000 he kept for		15% of the money = Rs.12,000
	himself. What was the total		1% of the money = Rs.12,000/15 =
			Rs.800
	amount of money Anand		So, 100% of the money would have
	had?		been = Rs.800*100 = Rs.80,000
	(a) 60,000		
	(b) 70,000		
	(c) 80,000		
	(d) 90,000		
4.	Two statements S1 and S2	A	N is 75% of Y
-	are given below followed by	11	So, $N = (3/4) Y$
	a question.		
	_		X is 40% of N
	S1: N is a multiple of 5.		So, X = (2/5) N = (2/5) (3/4) Y =
	S2: Y is a multiple of 4.		(3/10) Y





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Question: X is 40% of N,		Statement 1: N is a multiple of 5, and
and N is 75% of Y.N and Y		X = (2/5) N. It means that X must be
are positive integers. X is a		an integer, positive or negative.
positive integer or not?		Statement 2: Y is a multiple of 4, and
(a) Both statements together		X = (3/10) Y. It means that X may or
are insufficient to answer the		may not be an integer.
question.		<u>Using both statements together:</u>
(b) Either statement alone is		X must be an integer, positive or
sufficient to answer the		negative. So, we cannot tell for sure
question.		whether X is a positive integer or not.
(c) Statement 1 alone is		
sufficient to answer the		
question, but Statement 2		
alone is not sufficient to		
answer the question.		
(d) Both statements together		
are sufficient to answer the		
question, but neither		
statement alone is sufficient		
to answer the question.		
 T 1: 11 / 1:/ FO/1	0	A 11 11 1
India celebrated its 70th	С	According to author, although most
Independence Day today.		of us are progressing in our journeys
But are we really free? I		but somewhere we are still not free in
am not sure about it. Some		different contexts. So, author is
of us are working day &		trying to inspire us to get real

night but are not happy.

We have forgotten that

freedom and introspect for the actual

feeling freedom.





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Work is a part of life not the Heart of life. Are we free? Some of us want to explore the world, experiment with challenging career moves but pressure from society is not giving us any slack. Do we have freedom of choice? Some of us are enjoying freedom and independence forgetting our old retired parents who want nothing more than our company and happiness. Is this freedom worth it? Some of us have fallen in the worst ever trap of world biggest religion which nothing but 'Consumerism. Is it ever ending? Idea behind sharing this small passage is not to judge anyone. I am no one to do that. Mahatma Gandhi always said very distinctly that nothing is right or wrong; it is the intent behind that act decides its fate. Since, we



understand the actual



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all are on different journey, idea is to just motivate ourselves to take a pause, analyse, introspect and then take a call to invest our time and energy in something which makes our soul happy and which brings sustainable satisfaction. We all know that life never stops and we can keep living someone's life forever or we can choose to act and get things back in order. As this transformation is difficult, this shift can very consciously be brought in gradual manner. What seems to be the main intent of the author in the article? (a) To spread the message of continuing the pseudo free life (b) To extensively propagate the ideals behind consumerism, nuclear family etc. (c) To motivate people to





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	meaning of freedom in different context (d) To distract the readers and confuse them about the real purpose of life and the way to live.		
6.	If Rs. 1 is charged for each temple in state A, Rs. 2 for each temple in state B and so on, a person has to pay how much money to visit all the temples of A, B, C and D? (a) Rs.345 (b) Rs.385 (c) Rs. 455 (d) Rs. 165	A	Total cost = $1(A) + 2(B) + 3(C) + 4(D) =$ 1(20) + 2(30) + 3(15) + 4(55) = 345
7.	One-fifth of the light	В	assume 1000 produced; 200
, ,	switches produced by a		defective; 160 defective and rejected;
	certain factory are		40 non-defective rejected by mistake;





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	defective. Four-fifths of		40 defective and not rejected; 760
	the defective switches are		non-defective and not rejected. Total
	rejected and 1 / 20 of the		non-rejected and sold = 800.
	non-defective switches are		percent of the switches sold by the
	rejected by mistake. If all		factory are defective = 40/800*100 =
	the switches not rejected		5%
	are sold, what percent of		
	the switches sold by the		
	factory are defective?		
	(a) 4%		
	(b) 5%		
	(c) 6.25%		
	(d) 11%		
	B 1 40/ 5 41	D	We are let the test learned as of
8.	Exactly 14% of the	D	We can let the total number of
	reporters for a certain wire		reporters for the wire service = 100
	service cover local politics		and n = the number of reporters who
	in Country X. If 30% of the		cover politics. Thus (100 - n)
	reporters who cover		reporters do not cover politics.
	politics for the wire service		Since 30% of the reporters who cover
	do not cover local politics		politics for the wire service do not
	in Country X, what percent		cover local politics, 0.3n who cover
	of the reporters for the		politics reporters do not cover local
	wire service do not cover		politics, but 0.7n do and we are given
	politics?		that 14% of 100 reporters, i.e., 14 of
	(a) 20%		
	(b) 42%		





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	(c) 44%		them do cover local politics. Thus, we
	(d) 80%		can create the equation:
	(d) 5070		-
			0.7n = 141; $n = 14/0.7 = 140/7 = 20$;
			So, we have 20 reporters who cover
			politics and hence 80 reporters or
			80% of them don"t cover politics.
9.	The greatest danger to a	D	Where from is the danger to the
	democracy is the		democracy coming? The speaker says
	increasing		it is from "bureaucracy"s less
	bureaucratization of the		accountability to both the ruling
	ruling process. As the		party and the legislature". This
	bureaucracy takes control		means accountability to both the
	of virtually everything m		ruling party and the legislature is an
	the governance, it becomes		important factor in democracy.
	less accountable to both		
	the ruling party and the		
	legislature. There is a		
	chance that democracy		
	will become technocracy.		
	If the above statement is		
	true, which among the		
	given alternatives can be		
	inferred from the		
	statement?		
	(a) Democracy may turn into		
	autocracy if bureaucrats are		
	not controlled.		
	(b) Bureaucracy should be		
	controlled to ensure its		
	accountability to both the		





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a.t (b) a.t (c)	m26 + am25 + abm24 ++ o.cz m26 - am25 + abm24 + o.cz o Indeterminate		So, $a - m b - m c - m \dots m - m \dots z$ $- m = 0 \therefore m - m = 0$
12. A	rectangular sump of	С	Volume of outer dimension of sump –
diı	nensions 6 m x 5 m x 4		volume of sump = volume needed to
	is to be built by using		be built by the bricks. = $(6.2 \times 5.2 \times$
	cks to make the outer		$4.2 - 6 \times 5 \times 4$) = 15.408 m3. =
	mension 6.2 m x 5.2 x		15.408 m3.
	2 m. Approximately how		
	any bricks of size 20 cm		
	10 cm x 5 cm are		
	quired to build the sump		
	storing water?		
	1500		
	3000 15000		
	30000		
(u)	30000		
13. A	thief running at 8	D	Time taken by policeman to catch the
kn	n/hr is chased by a		thief is 3 minutes.
	-,		
	liceman whose speed is		





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	100 metres ahead of the		
	policeman, then the time		
	required for the policeman		
	to catch the thief will be		
	(a) 2 minutes		
	(b) 6 minutes		
	(c) 10 minutes		
	(d) 3 minutes		
14.	A student has 60% chance	D	The possibility of the student failing
	of passing in English and		in Maths when they pass in English
	54% chance of passing in		can be found by subtracting the 54%
	both English and		joint probability from the 60%
	Mathematics. What is the		probability of passing in English.
	percentage probability that		This leaves a 6% chance that the
	he will fail in		student passes in English but fails in
	Mathematics?		maths.
	(a) 12		
	(b) 36		
	(c) 4		
	(d) 10		
4-	A 4-11- 1 47	0	The Continue discoult
15.	A table has three drawers.	С	For finding the silver coin only
	It is known that one of the		drawer 1 and 3 remains in
	drawers contains two silver		consideration because the open
	coins, another contains		drawer in any case cannot be the
	two gold coins and the		drawer that have only gold coins.





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	third one contains a silver		Now the probability of next coin
	coin and a gold coin. One		being a gold coin = 1/2.
	of the drawers is opened at		,
	random and a coin is		
	drawn. It is found to be a		
	silver coin. What is the		
	probability that the other		
	coin in the drawer is a gold		
	coin?		
	(a) 25		
	(b) 00		
	(c) 50		
	(d) 60		
16.	If 2/3 of the air in a tank	D	2/3 of the air in a tank is removed
	is removed with each		with each stroke means that 1/3 of
	stroke of a vacuum pump,		the air is left after one stroke, 1/3*
	how many strokes does it		1/3 after two strokes and so on.
	take before less than 1 %		Basically, after n strokes there will be
	of the original amount of		(1/3)"n of the air left in the tank. The
	air in the tank remains?		question asks about such n for
	(a) 2		which (1/3)"n< 1/ 100> 3"n> 100
	(b) 3		> n=S.
	(c) 4		
	(d) 5		





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17.	The total number of ways	В	Number of arrangements of all letters
	in which letters of the		such that the two C"s are never
	world ACCOST can be		together = 360-120 = 240
	arranged so that the two		
	C's never come together		
	will be:		
	(a) 120		
	(b) 240		
	(c) 360		
	(d) 720		
18.	There are two vessels A	D	Vessel A contains:
	and B in which the ratio of		10 gallons milk + 4 gallons water
	milk and water are as 5:2		
	and 8:7 respectively. 14		
	gallons are drawn from		
	vessel A and 15 gallons		
	from vessel B, and are		
	mixed in another empty		
	vessel. What is the ratio of		
	milk and water in it?		
	(a) 13:9		
L	ı	l	1





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19.	(b) 13:11 (c) 2:1 (d) 18:11 What is the average of all the multiples of 5 from 1 to 55, including 55? (a) 25 (b) 35 (c) 30 (d) 27.5	С	All multiples of 5 are 5, 10, 15, 20, 25, 50, 55 Average = (5 + 10 + 15 + 20 + 25 + 50 + 55)/11 = 330/11 = 30.
20	D	Δ.	000/ .COD D. 1
20.	By selling 12 marbles for a	A	80% of CP = Rs 1
	rupee, a shopkeeper loses 20%.lf he now decides to		120% of CP = 120/80 = 6/4 = 1.5
	gain 20% in further		Therefore, he should sell 12 marbles for Rs 1.5
	transactions; he should		or 8 marbles for Rs 1.
	sell the marbles at the rate		of 6 marbles for Rs 1.
	of how many marbles for a		
	rupee?		
	(a) 8		
	(b) 6		
	(c) 4		





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	(d) 3		
21.	Arun and Shivam have certain amount of money with them. If Arun gives Rs. 40 to Shivam, then Shivam will have three times the money that is left with Arun. But if Shivam gives Rs. 10 to Arun, then Arun will have two times the money that is left with Shivam. How much money did Arun have initially? (a) Rs. 170 (b) Rs. 80 (c) Rs. 70 (d) Rs. 90	С	
22.	Lead contamination poses	В	
	a serious threat to the		
	safety of drinking water m		
	Pennsylvania. This		
	colourless, odourless, and		
	tasteless metal can go		
	undetected m water.		
	Excessive amounts of lead		
	place adults at higher risk		
	for cancer, stroke, kidney		
	disease, memory problems		
	and high blood pressure.		
	Lead in excessive amounts		
	in the drinking water that		
	mainly comes from		
	industrial pollution and		
	has been the major cause		





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of lung cancer. Economy of Akira Island is based completely on either tourism or subsistence level of agriculture, has little or no industry. But inhabitants of the island have shown high incidence of lung Cancer in the last 10 years. Which of the following can be inferred from the above statements? (a) Lead in drinking water in Akira is absolutely within safe limit (b) Lung cancer of the inhabitants of the island must have causes other than lead in drinking water (c) Lead in drinking water in the water of the island must have come from various natural sources (d) Medical science is yet to be sure about exact reason of cancer of inhabitants of the island





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23.	A number when divided	A	37 is divided by 4 and 5 respectively,
	successively by 5 and 4		the remainders would be 1 and 4.
	leaves the remainder 2 and		
	3 respectively. When it is		
	divided by 4 and 5		
	respectively, what are the		
	remainders?		
	(a) 1, 4		
	(b) 4, 1		
	(c) 3, 2		
	(d) None of these		
24.	Harsh, Shiva and Krishna	С	According to the question,
	participated in a 400m		Harsh : Shiva = 400 : 350
	race. Harsh can defeat		& Shiva : Krishna = 400 : 376
	Shiva by 50 m and Shiva		∴ Harsh : Krishna = (400/350) ×
	can defeat Krishna by 24		(400/376) = 400/329
	m. In the same race Harsh		So, Harsh can defeat Krishna by (400
	can defeat Krishna by what		- 329), i.e. 71 m.
	distance?		Hence, option (c) is the correct
	(a) 76 m		answer.
	(b) 26 m		answer.
	(c) 71 m		
	(d) 24 m		
25.	The number of letters	С	
	skipped in between		
	adjacent letters in a series		
	remains the same, when		





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	moving from left to right.		
	Which of the following		
	series observes this rule?		
	(a) BFKPUZ		
	(b) BGLQVZ		
	(c) BFJNRV		
	(d) AEINRV		
26.	LMNOP, is a semi-circle	В	The diameters LSR and RQP are
	with centre at R and		combined equal to LP. So, the
	diameter LP, LSR and RQP		perimeters of both semi-circles
	are also semi-circles with		combined would equal the perimeter
	centres at T and U and		of LMNOP. Therefore, for every value
	diameters LR = RP = 1/2		of the perimeter of M, the perimeter
	LP. The ratio of perimeters		of N will be the same, which is why
	of LMNOP and LSRQP is		the ratio is 1:1.
	a) 0.75: 1		
	b) 1: 1		
	c) 1: 0.75		
	d) 1.25: 1		
27.	A man purchases two	В	Hence, the purchasing price of clock
	clocks A and B at a total		A is ₹ ₹ 250 and clock B is ₹ ₹ 400
	cost of Rs. 650. He sells A		
	with 20% profit and B at a		
	loss of 25% and gets the		
	same selling price for both		
	the clocks. What are the		
	purchasing prices of A and		
	B respectively?		
	a) Rs. 225; Rs. 425		





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			<u>, </u>
	b) Rs. 250; Rs. 400		
	c) Rs. 275; Rs. 375		
	d) Rs. 300; Rs. 350		
28.	If 15 pumps of equal capacity can fill a tank in 7 days, then how many extra pumps will be required to fill the tank in 5 days? a) 6 b) 7 c) 14 d) 21	A	Now, the number of pumps required to fill the tank in 1 day with the extra pumps is (n + A). The number of pumps required to fill the tank in 1 day is also given as 105 (from the information provided in the explanation). Therefore, the correct answer is 6.
29.	Out of the three annual examinations, each with a total of 500 marks, a student secured average marks of 45% and 55% in the first and second annual examinations. To have an overall average of 60%, how many marks does the student need to secure in the third annual examination? a) 450 b) 400 c) 350 d) 300	В	Hence, the student needs to secure 400 marks in the third annual examination to have an overall average of 60%.
30.	Which one of the following	С	The letters are being reversed, so the
	satisfies the relationship D		answer is BRR
	d a: a D D:: R r b: ?		
	a) D D A		
	b) R R R		
	c) b R R		





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	d) BBr		
31.	The number of letters	С	
	skipped in between		
	adjacent letters in a series		
	remains the same, when		
	moving from left to right.		
	Which of the following		
	series observes this rule?		
	(a) BFKPUZ		
	(b) BGLQVZ		
	(c) BFJNRV		
	(d) AEINRV		
32.	The ratio of the ages of	С	10 years ago, Velu : Ranjith = 1x : 3x
	Velu and Ranjith 10 years		Now, Velu : Ranjith = $x + 10 : 3x + 10$
	ago was 1:3. The ratio of		5 years hence, Velu : Ranjith = $x + 15$
	their age five years hence		: 3x + 15
	will be 2:3. Then the ratio		Now,
	of their present age is:		x + 15 / 3x + 15 = 2/3
	(a) 5:3		3x + 45 = 6x + 30
	(b) 1:2		3x = 15
	(c) 3 : 5		So, x = 5
	(d) 3:4		Then, Present age ratio,
			Velu : Ranjith = 15 : 25 = 3 : 5
			void : Naijiii = 10 : 20 = 0 : 0
33.	Statements:	D	Both the conclusions are wrong.
33 .	Statements.	ע	Bour the conclusions are wrong.
	 Some cows are 		
	crows.		





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	 Some crows are 			
	elephants.			
	Conclusions:			
	1. Some cows are			
	elephants.			
	2. All crows are			
	elephants.			
	(a) Only (1) follows			
	(b) Only (2) follows			
	(c) Both (1) & (2) follows			
	(d) Neither (1) nor (2) follows			
		~		
34.	Statements:	С	Both 1 and 2 follows	
	 All the actors are 			
	girls.			
	 All the girls are 			
	beautiful.			
	Conclusions:			
	1. All the actors are			
	beautiful.			
	2. Some girls are actors.			
	(a) Only (1) follows			
	(b) Only (2) follows			
	(c) Both (1) & (2) follows			
	(d) Neither (1) nor (2) follows			





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35.	Farming is no longer	С	Both assumptions are correct
	attractive among village		
	youths. The mindset of		
	farmers is not easily		
	changed to win confidence		
	for natural farming. The		
	labour-intensive and time-		
	consuming nature of Zero		
	Budget Natural Farming		
	(ZBNF) prove to be an		
	obstacle for making the		
	transition to natural		
	farming. Small farmers can		
	afford increased labour		
	using their family labour,		
	but it is difficult for big		
	farmers to get adequate		
	labour for big farms. Some		
	big farmers, however,		
	innovatively use locally		
	developed solutions to		
	make ZBNF less labour-		
	intensive but the		
	implementation of such		
	technology needs initial		
	investment, which poses		
	an obstacle.		
	Based on the passage given		
	above, the following		
	assumptions have been		
	made:		





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	1. Natural farming makes sense environmentally, but may not be that viable economically. 2. Affordable machinery and adequate finance could encourage village youth to take up natural farming. Which of the above assumptions is/are valid? (a) 1 only (b) 2 only (c) Both 1 and 2 (d) Neither 1 nor 2		
36.	When Vladimir Putin came to power in his first term	D	The question statement highlights two things first mysterious illness
	as the President of Russia		and second no one was surprised.
	a leading political leader		This should make you think why a
	who opposed his policies		political adversary of Mr. Putin goes
	died of mysterious illness		to jail and dies due to a mysterious
	in prison/captivity. Hardly		disease. In this situation the cartoon
	any observers of the		shows that the police have eliminated
	regime were surprised by		the possibility of murder. They are





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	41.1. A comboon!-441	<u> </u>	1 4 min or to moon it on:-id 1 1
	this. A cartoonist aptly		trying to pass it as suicide or medical
	depicted this situation by		condition. This implies that the
	showing a policeman		author wants to say that Putin''s
	informing journalist, "We		regime 1s responsible for the death.
	are trying figure out		
	whether he committed		
	suicide or died of illness."		
	Which of the conclusions		
	can be drawn from the		
	information given in the		
	passage?		
	(a) The opposition leader did		
	not get right medical facilities		
	in the prison.		
	(b) The opposition leader		
	committed suicide.		
	(c) The policeman is not clear		
	about the reasons of the		
	death of the opposition		
	leader.		
	(d) Vladimir Putin's regime		
	was responsible for the death		
	of the opposition leader.		
37.	Find the largest four digit	С	LCM (45, 60, 72) = 360; N + 12 = 360
	natural number N which when divided by 45, 60		k (k-integer); N = 360 k- 12; Largest four digit number = 9999; Largest
	and 72 leaves a remainder		four digit number - 9999, Largest four digit number of the form 360k =
	of 33, 48 and 60		9720
	respectively.		





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	(a) 9348 (b) 9528 (c) 9708 (d) 9888		Required number N = 9720 - 12 = 9708 Hence, option (c).
38.	The difference between a	В	9x = 36
	two-digit number and the		X = 4.
	number obtained by		Required difference = $(2x + x) - (2x - x)$
	interchanging the digits is		x)
	36. What is the difference		
	between the sum and the		
	difference of the digits of		
	the number if the ratio		
	between the digits of the		
	number is 1:2?		
	(a) 4		
	(b) 8		
	(c) 16		
	(d) None of these		
39.	Read the following	С	New Zealand was defeated twice by
	information and answer		India and twice by Pakistan i.e. 4
	the following question/s:		times in all. Answer is (c).
	In a cricket season, India		
	defeated Australia twice,		
	Pakistan defeated India		
	twice, Australia defeated		
	Pakistan twice, India		
	defeated New Zealand		
	twice and Pakistan		





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	defeated New Zealand		
	twice.		
	Which country has lost		
	maximum number of		
	times?		
	(a) India		
	(b) Australia		
	(c) New Zealand		
	(d) Pakistan		
40.	A lady has a total of Rs. 75	D	Let x, y, z be the number of 10, 25
	in her purse. If the total		and 50 paisa corns,
	amount she has is in		10x + 25y + 50z = 7500
	denominations of 10 paisa,		and $x = 5y/3z = Sy/6$
	25 paisa and 50 paisa		solving for y, we get =90
	coins, and the ratio of 10		SO, Z = 5 X 90 /6 = 75
	paisa and 25 paisa coins is		y + z = 90 + 75 = 165
	5: 3 and that of 25 paisa		Hence, option (d).
	and 50 paisa coins is 6: 5;		Tieffee, option (d).
	what is the total number of		
	25 and 50 paisa coins?		
	(a) 75		
	(b) 90		
	(c)150		
	(d)165		
41.	Raj has ten pairs of red,	D	He would have to pick one more shoe
	nine pairs of white and		(the matching red one) to get a pair. So,
	eight pairs of black shoes		the total maximum number of attempts





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	in a box. If he randomly		is 44 + 1 = 45 attempts. Hence, the
	picks shoes one by one		correct answer is (d) 45.
	(without replacement) from		Correct answer is (d) 45.
	the box to get a red pair of		
	shoes to wear, what is the		
	maximum number of		
	attempts he has to make?		
	(a) 27		
	(b) 36		
	(c) 44		
	(d) 45		
42.	Amit started a business by	В	Let after 't' months Rahul joined the
	investing Rs.30,000. Rahul		business. Hence
	joined the business after		Amit does business for 1 year and
	some time and invested		Rahul for (12 – t) months.
	Rs.20,000. At the end of		They will share the profit in ratio
	the year, profit was divided		$30000 \times 12:20000 \times (12 - t) = 2:1$
	in the ratio of 2 : 1. After		t = 3 months
	how many months did		t - 3 months
	Rahul join the business?		
	(a) 2		
	(b) 3		
	(c) 4		
	(d) 5		
	()		
43.	When the time in the wall-	С	In a clock, the angle between two
+3.	clock is 3.25 p.m., the		successive numbers is 360°/12 =
	- '		·
	acute angle between the		30°. When the time is 3.25 pm, the
			minute hand will be on 5 and will





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	hours-hand and the		have moved 60° from 3 and hour
	minutes-hand is		hand would be between 3 and 4 and
	(a) 60°		as it moves 30° in 60 minutes,
	(b) 52.5°		So, in 25 minutes, it would move
	(c) 47.5°		12.50. So, the difference between two
	(d) 42°		hands will be
			= 60° - 12.5° = 47.5°
44.	The age of a man is three times the sum of the ages of his two sons. Five years hence, his age will be double of the sum of the ages of his sons. The father's present age is (a) 40 years (b) 45 years (c) 50 years (d) 55 years	В	
45.	In a company, 60% of the	Α	
	employees are men. Of		
	these 40% are drawing		
	more than Rs. 50,000 per		
	year. If 36% of the total		
	employees of the company		
	draw more than Rs. 50,000		
	per year, what is the		
	percentage of women who		
	are drawing less than Rs.		
	50,000 per year?		
	(a) 70		
	(b) 60		
	(c) 40		
	(d) 30		





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46.	Kumar and Murugan	С	Let the price of mango = 100; Kumar
	bought mangoes from the		sells it to 120(20% profit); Murugan
	market at the same price.		needs to sell the mango's for double
	Kumar made a profit of		the selling price, it must be –
	20% by selling his		240Rupee;
	mangoes. What must be		140 rupees profit after Murugan
	the profit percentage		bought mangos from 100 and sell it
	earned by Murugan if he		to 240.
	sold his mangoes at double		
	the selling price of Kumar?		
	(a) 40%		
	(b) 120%		
	(c) 140%		
	(d) None of these		
47.	If the length of a rectangle	С	Area of rectangle is L x B; area of
	is increased by 20% and		length is increased by 20% means
	the breadth is increased by		120L/100; area of breath increased
	25%. What will be the net		by 25% means 125B/100;
	percentage increase in the		New area = (120L * 150B)/100*100 =
	area of the rectangle?		1.5 times
	(a) 20%		i.e., 50% increase
	(b) 25%		
	(c) 50%		
	(d) 40%		
48.	A report consists of 10	A	Total no. of character is 10*50*60
	sheets each consisting of		=>10*50*60 = x*30*25;
	50 lines and each such line		X=40, totally 40 pages needed
		I	122 TO, wany to pages needed





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	This report is retyped into sheets each of 30 lines, each having 25 characters. The increase in the number of sheets is? (a) 40 (b) 70 (c) 50 (d) 10		
49.	If the price of a rice is increased by 25%, then by how much percent a house holder should reduce his consumption of the rice so that his expenditure does not increase? (a) 25% (b) 20% (c) 33.33% (d) 10%	В	Let assume the price of 1 kg rice is 100 rs; its increased to 125rs; To finding how much rice for 100rs is 100*100/125 = 800grams of rice. so I should reduce my consumption of 200g of rice i.e., 20%
50.	Harsh, Shiva and Krishna participated in a 400m race. Harsh can defeat Shiva by 50 m and Shiva can defeat Krishna by 24 m. In the same race Harsh	С	According to the question, Harsh: Shiva = 400: 350 & Shiva: Krishna = 400: 376 ∴ Harsh: Krishna = (400/350) × (400/376) = 400/329 So, Harsh can defeat Krishna by (400 - 329), i.e. 71 m.





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	can defeat Krishna by what		Hence, option (c) is the correct
	distance?		answer.
	(a) 76 m		
	(b) 26 m		
	(c) 71 m		
	(d) 24 m		
51.	If x is a positive integer	С	If 2x+12 is perfectly divisible by x,
	such that 2x +12 is		then 12 must be divisible by x.
	perfectly divisible by x,		Hence, there are six possible values
	then the number of		of x: (1,2,3,4,6,12)
	possible values of x is		If $x = 1$ then $2*1+12 = 14$ is divisible
	(a) 2		by 1
	(b) 5		If $x = 2$ then $2*2+12 = 18$ is divisible
	(c) 6		by 2
	(d) 12		If $x = 3$ then $2*3+12 = 18$ is divisible
			by 3
			If $x = 4$ then $2*4+12 = 20$ is divisible
			by 4
			If $x = 6$ then $2*6+12 = 24$ is divisible
			by 6
			If $x = 12$ then $2*12+12 = 36$ is
			divisible by 12
52.	An outgoing batch of	A	Let's assume the students
	students wants to		contributed X Rs; So, the teachers
	construct an auditorium		contributed 3X/2 Rs
	worth Rs 42,00,000 for		And external benefactor contributed
	their college. If the		9X/2 Rs; Summation of all
	teachers offer to pay 50%		contribution = 42,00,000 = 7X; Or, X
	more than the student's		





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		I	- 6 00 000 Day Hag
	contribution and an		= 6,00,000 Rs; Hence, teachers
	external benefactor give		contributed 9,00,000 Rs
	three times the teachers		
	contribution, how much		
	should the teachers		
	donate?		
	(a) 9,00,000 Rs		
	(b) 7,35,000 Rs		
	(c) 8,40,000 Rs		
	(d) 6,50,000 Rs		
53.	The distribution of the	В	Inference 1 is incorrect and Inference
	benefits and costs of		2 is correct.
	innovation has been the		
	subject of a reasonably		
	large number of articles		
	within the agricultural		
	economics literature.		
	Beginning with Cochrane		
	(1958, 1993), some		
	economists have argued		
	that agricultural		
	innovation is a treadmill		
	for farmers with an		
	implicit (sometimes		
	explicit) notion that		
	technological change in		
	agriculture has made		
	farmers worse off. In		
	Cochrane's analysis, only		
I		l	





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the earliest adopters could benefit from new technology, and their benefits were fleeting. Eventually, the pricedepressing effects of increased output would offset the gains. Those who were slow to adopt or did not adopt would lose. He characterized the process as a treadmill that farmers must tread to survive but that involved unhappy consequences for agriculture.

Which of the following is/are the most rational and logical
Inference/Inferences that can be made from the passage?

- The traditional methods of farming were better than new technological methods.
- Balancing the demand and supply of agricultural products





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	may protect farmers		
	from losses.		
	Select the correct answer		
	using the code given		
	below.		
	(a) 1 only		
	(b) 2 only		
	(c) Both 1 and 2		
	(d) Neither 1 nor 2		
54.	Which one of the following	A	Option (a) is correct.
	statements best implies		
	the suggestion given by		
	the author of the passage?		
	(a) Focus on the distribution		
	of technology and better		
	price protection would help		
	tackle the challenges posed		
	by innovation.		
	(b) Innovation in agriculture		
	should not be encouraged as		
	it causes losses to farmers.		
	(c) New set of studies is		
	required to re-evaluate the		
	impact of technology on		
	agriculture.		
	(d) Giving up on		
	technological innovation		
	would save agriculture from		
	negative consequences.		





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55.	One of the major shifts	В	Inference 1 is incorrect and Inference 2
55.	facing business		is correct.
	organizations today		
	involves the growing		
	importance of experiential		
	consumption. Alvin		
	Toffler, in his book Future		
	Shock, was the first to		
	envision experience		
	industries as emerging		
	sectors of the future		
	economy. Pine and		
	Gilmore extended this		
	notion by describing a		
	progression of economic		
	value from commodities to		
	goods to services to		
	experiences. The authors		
	argued that this transition,		
	from a service economy to		
	an experience economy,		
	means that as services		
	become more		
	commoditized, perceptions		
	of competitive advantage		
	diminish. Therefore, all		
	actions of the organization		
	must contribute to		
	delivering experiential		
	offerings that engage		





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customers in unique and memorable ways.

Which of the following is/are the most rational and logical Inference/Inferences that can be made from the passage?

- 1. The companies should not focus on the quality of the product, but the quality of the experience related to the product.
- 2. Organizations now need to invest more in creativity for providing a unique memorable experience to customers.

Select the correct answer using the code given below.

- (a) 1 only
- (b) 2 only
- (c) Both 1 and 2
- (d) Neither 1 nor 2





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56.	Two statements S1 and S2	С	Either anyone statement is enough to
	are given below followed by		find the answer
	a question.		
	S1: A is 80% of B, and B is		
	40% of C.		
	S2: A is 55% more than B,		
	and B is 50% less than C.		
	Question: What is the		
	value of A in terms of C?		
	Which one of the following		
	is correct in respect of the		
	above Statements and the		
	Question?		
	(a) S1 alone is sufficient to		
	answer the Question		
	(b) S2 alone is sufficient to		
	answer the Question		
	(c) Either S1 alone or S2		
	alone is sufficient to answer		
	the Question		
	(d) Both S1 and S2 together		
	are sufficient to answer the		
	Question		
57.	The owner of a Television	С	We can assume Cost Price to be
	shop charges his customer		Rs.100.
	16% more than the cost		Then, selling price would be Rs.116
	price. If a customer paid		(16% more is charged on the cost
	Rs.17,400 for a Television,		price).





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	then what was the cost		So if in reality galling price is
			So, if in reality selling price is
	price of the television?		Rs.17,400 then cost price would
	(a) 13,000		beRs.15,000.
	(b) 14,000		We could use unitary method to find
	(c) 15,000		the value.
	(d) 16,000		S.P. ——- C.P.
			Rs.116 —— Rs.100
			Rs.1 ———Rs. (100/116)
			Rs.17,400 ——-Rs. (100/116) *
			Rs.17,400 which gives C.P. as
			Rs.15,000
58.	The difference between	С	The difference in percentage is 42%-
	42% of a number and 28%		28% = 14%.
	of the same number is 210.		So, using unitary method,
	What is 75% of that		If 14% of a number is 210, then 1%
	number?		of that number will 210/14 which
	(a) 775		15.
	(b) 1050		Therefore, 100% of the number
	(c) 1125		would be 1500.
	(d) 1500		Question is to find out 75% of the
			number which is nothing but 75% of
			1500 which gives answer as 1125.
			g. 11 mars and 12 do 12 do 1
59.	Once a group of 500	В	Author is clearly advocating the
	people were attending a		concept of sustainable happiness,
	seminar. Suddenly the		which according to him lies in the
	speaker stopped and		bonds we have amongst us.
	decided to do a group		
	activity. He started giving		
	,		





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each person a balloon. Each person was then asked to write their name on it using a marker pen. Then all the balloons were collected and put in another room. The people were then let into that room and asked to find the balloon which had their name written on it within 5 minutes. Everyone was frantically searching for their name, colliding with each other, pushing around others and there was utter chaos. At the end of 5 minutes no one could find their own balloon. Then, the speaker asked each person to randomly collect a balloon and give it to the person whose name was written on it. Within minutes everyone had their own balloon. The speaker then began, "this is happening in our lives. Everyone is frantically looking for





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happiness all around, not knowing where it is. Our happiness lies in the happiness of other people. Give them their happiness; you will get your own happiness. And this is the purpose of human life...the pursuit of happiness."

According to the passage, which is the most suitable way of life style?

- 1. Living a self-centred life with absolute focus on self-progress and materialistic improvements.
- Promoting the culture of sustainable happiness and inclusive growth
- Enhanced focus on social life along with personal monetary gains

Select the correct answer using the codes below:

- (a) 1 only
- (b) 2 only
- (c) 1 and 3 only





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	(d) 2 and 3 only		
60.	Which of the following is	A	Author is guiding the reader to
	the most suited topic for		understand the concept of social
	the seminar?		happiness and inclusive growth,
	(a) Life and sustainable		which according to him will bring
	happiness		sustainable happiness.
	(b) Path to personal		
	prosperity		
	(c) Personal growth is all that		
	matters		
	(d) Happiness is a nothing		
	but a myth		
61.	A person starts from a	С	A person starts from a point A and
	point A and travels 3 km eastwards to B and then		travels 3 km eastwards to B and then
	turns left and travels		turns left and travels thrice that
	thrice that distance to reach C. He again turns		distance to reach C. He again turns
	left and travels five times		left and travels five times the
	the distance he covered between A and B and		distance he covered between A and B
	reaches his destination D.		and reaches his destination D. The
	The shortest distance between the starting point		shortest distance between the
	and destination is		starting point and the destination is:
	(a) 18 km		15 km.
	(b) 16 km (c) 15 km		
	(d) 12 km		
62	Mh a diadaileadi a a C	D	Transista form Innovation 20/100
62.	The distribution of	D	Tourists from Japan = 20/100
	1,00,000 tourists who		(100000) =20000 % below 39 years =
	visited India during a		10 + 10 = 20% : % of Tourists from
	particular year is shown in		





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	the given charts. Based on this, the number of		Japan below 39 years = 20/100 (20000) =4000
	Japanese tourists below		(2000)
	the age of 39 who visited		
	India in the year		
	concerned is		
	(a) 10,000		
	(b) 8,000		
	(c) 6,000		
	(d) 4,000		
63.	What is the maximum	С	The larger cake`s dimensions are 6
	number of pieces of 5 cm x		times the smaller cake's two of the
	5 cm x 10 cm cake that		dimensions (30 cm divided by 5 cm
	can be cut from a big cake		results in 6). Thus, in two directions,
	of 5 cm x 30 cm x 30 cm		you can cut 6 pieces each time, and
	size?		you multiply these to find out the
	(a) 10		total number of pieces (6 pieces * 3
	(b) 15		times = 18 pieces)
	(c) 18		
	(d) 30		
64.	How many five-digit prime	A	The digit sum of numbers made by
	numbers can be formed by		using the digits will be $1 + 2 + 3 + 4 +$
	using the digits 1, 2, 3, 4		5 = 15. So, if the digits are not
	and 5 without repetition of		repeated then such number will
	digits?		always be divisible by 3. Hence, there
	(a) Zero		will be no such prime number





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65.	(b) One (c) Two (d) Three A shopkeeper sold an article offering a discount of 5 % and earned a profit of 14 %. What would have been the percentage of profit earned if no discount was offered? (a) 19%	С	Let the cost price be Rs. 100. Then the selling price= Rs. 114. Now, let the marked price be Rs. x, then 95x/100 = 114 or x = Rs. 120. If no discount was offered, the selling price = Rs. 120
66.	profit earned if no discount was offered?	D	95x/100 = 114 or x = Rs. 120. If no discount was offered, the selling
	from the bag blind-folded (without replacing any of it) to be assured of picking at least one ball of each		all of them may be green. Hence, we must pick more than 8 balls for sure. Now, even if we pick 8 + 7 balls, i.e. 15 balls, there's a probability that all
	colour? (a) 4		of them may be green and white only, with no red ball picked at all. Hence,





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	(b) 7		taking the worst possible scenario in
	(c) 11		consideration we must pick 15 + 1 =
	(d) 16		16 balls to be sure that atleast one
	(d) 10		ball of all the three colours is picked.
67	Which are a CAb a Callerning		_
67.	Which one of the following	С	(a) Side of the square = $\sqrt{36}$ = 6 cm
	has a greater perimeter		Perimeter of the square = $4(6) = 24$
	than the rest?		cm (b) Perimeter of the triangle = 9 +
	(a) A square with an area of		9 + 9 = 27 cm (c) Area of the
	36 sq. cm		rectangle = $40 \text{ lb} = 40 \text{ b} = 40/10 = 4$
	(b) An equilateral triangle		Perimeter = $2(1 + b) = 2(4 + 10) = 28$
	with a side of 9 cm		cm (d) Perimeter of the circle = $2\pi r$ =
	(c) A rectangle with 10 cm as		2(3.14)(4) = 25.12 cm Clearly,
	length and 40 sq. cm as area		Perimeter of the rectangle is
	(d) A circle with a radius of 4		maximum.
	cm		
68.	In an examination, every	В	Number of candidates who took both
	candidate took Physics or		Physics and Mathematics = (65.8% +
	Mathematics or both.		59.2% - 100%) * 2000; Number of
	65.8% took Physics and		candidates who took both Physics
	59.2% took Mathematics.		and Mathematics = (125% - 100%) *
	The total number of		2000; Number of candidates who
	candidates was 2000. How		took both Physics and Mathematics =
			050/ + 0000 N 1 6 1:1 /
	many candidates took both		25% * 2000; Number of candidates
	many candidates took both Physics and Mathematics?		who took both Physics and
			who took both Physics and
	Physics and Mathematics? (a) 750		who took both Physics and Mathematics = 0.25 * 2000; Number
	Physics and Mathematics? (a) 750 (b) 500		who took both Physics and Mathematics = 0.25 * 2000; Number of candidates who took both Physics
	Physics and Mathematics? (a) 750 (b) 500 (c) 250		who took both Physics and Mathematics = 0.25 * 2000; Number of candidates who took both Physics and Mathematics = 500; Therefore,
	Physics and Mathematics? (a) 750 (b) 500		who took both Physics and Mathematics = 0.25 * 2000; Number of candidates who took both Physics





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69.	A club has 108 members.	С	So there are 36 women in the club.
	Two thirds of them are		We also know that 9 of these women
	men and the rest are		are unmarried, so there are 36 - 9 =
	women. All members are		27 married women in the club.
	married except for 9		Therefore, there are 27 married
	women members. How		women in the club.
	many married women are		
	there in the club?		
	(a) 20		
	(b) 24		
	(c) 27		
	(d) 30		
70.	In a certain code, MARCH	С	Position of each letter of the 1st word
	is written as OCTEJ, how		has been incremented by two
	is RETURN written in that		alphabets in the 2nd word.
	code?		
	(a) TFUVSM		
	(b) QGSTQM		
	(c) TGVWTP		
	(d) TGRVSO		
71.	We have heard a good deal	A	The fact is that it 1s observed that
71.		A	The fact is that it 1s observed that two political parties have lost their
71.	We have heard a good deal	A	
71.	We have heard a good deal in recent years about the	A	two political parties have lost their
71.	We have heard a good deal in recent years about the declining importance of	A	two political parties have lost their importance to a great deal and then





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decide the outcome of elections, not the power of the parties. But it is worth noting that no independent or third-party candidate has won any important election in recent years, and in the last nationwide campaign, the two major parties raised and spent more money than ever before in support of their candidates and platforms. It seems clear that reports of the imminent demise of the two-party system are premature at best. With reference to above passage, following assumptions have been made:

it could be that these two parties have lost their importance is still at premature stage.

(a) The amount of money raised and spent by a political party is one valid criterion for judging the influence of the party.(b) A significant increase m the number of third-party candidates would be

evidence of a decline m the





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	importance of the two major		
	parties.		
	(c) The two-party system has		
	contributed significantly to		
	the stability of the American		
	political structure.		
	(d) The mass media tend to		
	favour an independent or		
	third-party candidate over a		
	candidate from one of the		
	two major parties.		
72.	Which of the following is	A	Author is guiding the reader to
	the most suited topic for		understand the concept of social
	the seminar?		happiness and inclusive growth,
	(a) Life and sustainable		which according to him will bring
	happiness		sustainable happiness
	(b) Path to personal		
	prosperity		
	(c) Personal growth is all that		
	matters		
	(d) Happiness is a nothing		
	but a myth		
73.	If P ÷ R + Q is true, then	D	
	what is the relation of B		
	with A?		
	(a) Mother		
	(b) Daughter		
	(c) Aunty		
	(d) None of these		
1		1	1





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74.	Which of the following is correct about the unit digit of (98987) ^ 98987? (a) Odd number (b) Even number (c) Irrational number (d) Zero	A	7^1 = 7; 7^2 = 9 (49); 7^3 = 3 (343); 7^4 = 1 (2401); AND THE CYCLE REPEATES. So, 7 power anything would result odd unit digit.
75.	If goods are purchased for Rs. 180 and one-third of them sold at a loss of 10%, then at what profit percentage should the rest be sold to obtain an overall profit percentage of 5%? (a) 15% (b) 8% (c) 10% (d) 12.5%	D	Cost price of 1/3 of the goods is = 60; it was sold at 54(at 10% loss); the total good should be sold at 189(at 5% profit); 189-54=135; 135-120=15(need to take profit from 120). 15/120*100 = 12.5%. the seller need to sell the remaining 2/3 goods at 12.5% profit to make overall profit of 5%
76.	Three men including a	A	There is no woman in the group. So,
	senior citizen, board a		one seat out of 6 seats cannot be
	train where 6 seats are		used by them.
	vacant. Two of these 6		Therefore, there are 5 seats out of
	seats are reserved, one for		which 1 seat is reserved for senior
	women and one for senior		citizens.
	citizens. A senior citizen		If senior citizen sits on reserved seat,
	may or may not sit on		then – 2 other men can occupy 4
	reserve seat. In how many		vacant seats in 4, P2 ways, i.e. 12
	different ways can the 6		ways.
	seats be occupied by these		
	three passengers?		
	(a) 36		
	(b) 60		
	(c) 72		
	(d) 120		





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77.	A longest rod is placed in	С	The longest rod in the room is its
	a room of length 15m and		diagonal.
	breadth 6m. What can be		So, L2 +B2 + H2 = D2
	the height of the room if		152 + 62 + H2 = 192
	length of the rod is 19m?		H2 =361 - (225 + 36) = 100
	(a) 11m		H = 10.
	(b) 15m		
	(c) 10m		
	(d) None of these		
78.	Vasanth walks for 2 km in	С	from the starting point Vasanth is in
	the north direction, turns		south direction of 7km
	right and walks 4 km,		
	before again turning right		
	and walking 9 km. Then,		
	he takes a right turn and		
	walks 4 km. How far is he		
	from the starting point?		
	(a) 9 km		
	(b) 6 km		
	(c) 7 km		
	(d) 8 km		
79.	15 litre of 20% sulphuric	A	Percentage strength of the acid in the
	acid, 12 litre of 80%		mixture = (Quantity (volume) of the
	sulphuric acid is added.		acid in the mixture)/(Total volume)×
			100; by solving the above formula





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	What is the strength of the		with the questions we get 57.78% of
	acid in the mixture now?		sulphuric acid is in the mixture
	(a) 57%		
	(b) 40%		
	(c) 74%		
	(d) 63%		
80.	Statements:	В	from the above conclusions we can
	1. Some cars are bikes.		infer that either 1 or 3 follows the statement
	2. All buses are bikes.		0.00002110110
	3. No bike is train.		
	Conclusions:		
	1. Some cars are buses.		
	2. All trains being buses is a possibility.		
	3. No car is a bus.		
	Select your answer using		
	the codes given below.		
	(a) Only 1 follows		
	(b) Either 1 or III follows		
	(c) All follow		
	(d) None of these		
81.	From Bangalore railway	A	After the departure of 2pm train and
	station a train leaves every		140 minutes the announcement
	three hours. An		says, the next train will departure





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	announcement at that		from 5pm. So the exact time in 2pm
	railway station said that		+ 140minutes = 4:20pm
	the previous train from		140mmutes – 4.20pm
	New Delhi had left 140		
	minutes ago and the next train will leave at 17:00		
	hours. At what time was		
	this announcement made?		
	(a) 16:20 hours		
	(b) 15:10 hours		
	(c) 15:50 hours		
	(d) 17:00 hours		
82.	What is the probability	D	There are 46 prime numbers between
	that a number is chosen		1-200, so, 46/200 = 23/100.
	randomly from the set of		
	all natural numbers till		
	200 is not a prime		
	number?		
	(a) 6/25		
	(b) 1/4		
	(c) 3/4		
	(d) 23/100		
83.	The product of two real	D	To creating a rational number by
	numbers is a rational		multiplication we have these more
	number. If one of them is a		than one possibility to obtain it
	rational number, the other		Rational number = rational
	number must be		
	(a) A rational number		number * rational number
	, ,		





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	(b) An irrational number		2. Rational number = rational
	(c) A natural number		number * natural number
	(d) Cannot be determined		
	due to insufficient data		3. Rational number (not equals)
	dae to modificient data		=> rational number *
			irrational number
84.	How many such pairs of	В	A _ C, H _ I, T _ U, R _ T and E _ C
	letters are there in the		are five such pairs.
	word ARCHITECTURE,		
	each of which has as many		
	letters between them as		
	they have between them in		
	the English alphabet?		
	(a) 6		
	(b) 5		
	(c) 3		
	(d) None of the above		
85.	Study the following	D	option (d) is the correct answer
	information carefully and		
	answer the question that		
	follows:		
	Point T is 5 m south of		
	point U. Point U is 5 m		
	east of point V. Point V is		
	3 m south of point W.		
	Point W is 5 m west of		
	point X. Point X is 5 m		
	1		1





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S	south of point Y. Point Z is		
1	10 m east of point Y.		
I	How far and in which		
d	direction is point U from		
F	point Z?		
((a) 25 m, South-East		
	(b) 18 m, North		
((c) 15 m, North-East		
(6	(d) 12.8 m, South-West		
86. 1	The average weight of the	С	Average of entire class = Total weight
s	students in three classes		of all the students/ No. of Students
5	5th, 6th and 7th of a class		
а	are 45 kg, 55 kg and 65 kg		
r	respectively. If the number		
c	of students in these three		
s	sections is 35, 45 and 75		
r	respectively, then find the		
а	average weight of the all		
C	class.		
((a) 51 kg		
	(b) 49 kg		
((c) 57 kg		
(6	(d) 54 kg		
87.	In a certain code language	С	+1-1+1-1+1-1+1-1
6	GOOGLE' is written as		
6	HNPFMD'. How		





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	would 'GERMINATION' be		
	written in that code?		
	(a) NATGERMINOI		
	(b) GAETRIMINON		
	(c) HDSLJOBSJMPP		
	(d) IMREGNNOITA		
88.	Vasanth, Karthick and	В	option (b) is the right answer
	Balaji run along a circular		
	track of 3600 meters at		
	respective speeds of 18		
	km/hr, 27 km/hr and 36		
	km/hr. If they start at the		
	same point and at the		
	same time in the same		
	direction, when will they		
	meet again at the starting		
	point?		
	(a) They will meet 36		
	minutes after they started.		
	(b) They will meet 24		
	minutes after they started.		
	(c) They will meet 42 minutes		
	after they started.		
	(d) None of these		
89.	A TV consumes 4 units of	D	Total time period = 80hrs
	electricity in 1hr and a		Rate of electricity consumption of TV
	bulb consumes 18 units of		= 4units/hr





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	electricity in 6 hours. How many units of electricity will both TV and bulb consume in 10 days, if they run 8 hours a day? (a) 280 units		Rate of electricity consumption of bulb = 18units/6hrs = 3units/hr Total electricity consumption when both are on together = 7units/hr So, total electricity unit consumed in 80hrs will be
	(b) 150 units (c) 480 units (d) 560 units		80hrs*7units/hr=560units
90.	Instructions for the following 3 (three) items: Read the following information and answer the following question/s: 1. On a book rack seven books one each on Psychology, Hindi, English, Sociology, Economics, Finance and Accountancy are placed one above the other.	С	Sociology is on top of all books, Finance is below Sociology. Accountancy is below Finance. Economics is above Psychology and Psychology is above Hindi. Economics is not in the middle. So, in the middle lies the seventh book i.e. English.
	 On top is the book on Sociology. Finance is immediately below Sociology. Finance is immediately above 		





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	Economics is		
	immediately above		
	Psychology but is not		
	in the middle.		
	4. Psychology is		
	immediately above		
	Hindi.		
	Economics is between		
	which of the following		
	books?		
	(a) Accountancy and Finance		
	(b) Psychology and Hindi		
	(c) English and Psychology		
	(d) Psychology and Sociology		
91.	When the time in the wall-	С	In a clock, the angle between two
91.	When the time in the wall- clock is 3.25 p.m., the	С	In a clock, the angle between two successive numbers is 360°/12 =
91.		С	
91.	clock is 3.25 p.m., the	С	successive numbers is 360°/12 =
91.	clock is 3.25 p.m., the acute angle between the	С	successive numbers is 360°/12 = 30°. When the time is 3.25 pm, the
91.	clock is 3.25 p.m., the acute angle between the hours-hand and the	С	successive numbers is 360°/12 = 30°. When the time is 3.25 pm, the minute hand will be on 5 and will
91.	clock is 3.25 p.m., the acute angle between the hours-hand and the minutes-hand is	С	successive numbers is 360°/12 = 30°. When the time is 3.25 pm, the minute hand will be on 5 and will have moved 60° from 3 and hour
91.	clock is 3.25 p.m., the acute angle between the hours-hand and the minutes-hand is (a) 60°	С	successive numbers is 360°/12 = 30°. When the time is 3.25 pm, the minute hand will be on 5 and will have moved 60° from 3 and hour hand would be between 3 and 4 and
91.	clock is 3.25 p.m., the acute angle between the hours-hand and the minutes-hand is (a) 60° (b) 52.5°	С	successive numbers is 360°/12 = 30°. When the time is 3.25 pm, the minute hand will be on 5 and will have moved 60° from 3 and hour hand would be between 3 and 4 and as it moves 30° in 60 minutes, So, in
91.	clock is 3.25 p.m., the acute angle between the hours-hand and the minutes-hand is (a) 60° (b) 52.5° (c) 47.5°	С	successive numbers is 360°/12 = 30°. When the time is 3.25 pm, the minute hand will be on 5 and will have moved 60° from 3 and hour hand would be between 3 and 4 and as it moves 30° in 60 minutes, So, in 25 minutes, it would move 12.50. So,
91.	clock is 3.25 p.m., the acute angle between the hours-hand and the minutes-hand is (a) 60° (b) 52.5° (c) 47.5°	С	successive numbers is 360°/12 = 30°. When the time is 3.25 pm, the minute hand will be on 5 and will have moved 60° from 3 and hour hand would be between 3 and 4 and as it moves 30° in 60 minutes, So, in 25 minutes, it would move 12.50. So, the difference between two hands will
91.	clock is 3.25 p.m., the acute angle between the hours-hand and the minutes-hand is (a) 60° (b) 52.5° (c) 47.5°	С	successive numbers is 360°/12 = 30°. When the time is 3.25 pm, the minute hand will be on 5 and will have moved 60° from 3 and hour hand would be between 3 and 4 and as it moves 30° in 60 minutes, So, in 25 minutes, it would move 12.50. So, the difference between two hands will
	clock is 3.25 p.m., the acute angle between the hours-hand and the minutes-hand is (a) 60° (b) 52.5° (c) 47.5° (d) 42°		successive numbers is 360°/12 = 30°. When the time is 3.25 pm, the minute hand will be on 5 and will have moved 60° from 3 and hour hand would be between 3 and 4 and as it moves 30° in 60 minutes, So, in 25 minutes, it would move 12.50. So, the difference between two hands will





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	hence, his age will be			
	double of the sum of the			
	ages of his sons. The			
	father's present age is			
	(a) 40 years			
	(b) 45 years			
	(c) 50 years			
	(d) 55 years			
93.	In a company, 60% of the	Α		
	employees are men. Of			
	these 40% are drawing			
	more than Rs. 50,000 per			
	year. If 36% of the total			
	employees of the company			
	draw more than Rs. 50,000			
	per year, what is the			
	percentage of women who			
	are drawing less than Rs.			
	50,000 per year?			
	(a) 70			
	(b) 60			
	(c) 40			
	(d) 30			
	A treater than the		_	
94.	A trader fixed the price of an article in such a way that by	С		
	giving a rebate of 10% on			
	the price fixed, he made a profit of 15%. If the cost of			
	the article is Rs. 72, the			
	price fixed on it, is (a) Rs. 82.80			
	(b) Rs. 90.00			





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	(c) Rs. 92.00		
	(d) Rs. 97.80		
95.	Saravanan can buy a	С	let take total number of books is x
	certain number of books		and cost of each book is y, then
	for Rs. 1050. If the price of		xy=1050.
	the books increases by Rs.		Then (x+15)(y-9)=1050. Substituting
	15, the number of books		the equation we can get the correct
	he can buy for the same		anwer.
	amount decreases by 9.		
	Find the original price of		
	the books.		
	(a) Rs. 31		
	(b) Rs. 33		
	(c) Rs. 35		
	(d) Rs. 38		
96.	The probability that	D	Probability in Google = P(A) = 4/7
	Vasanth will get job in		Probability in IBM = $P(B) = 1 - 2/5 =$
	Google is 4/7 and the		3/5
	probability that he will not		Probability of getting at least one job
	get job in IBM is 2/5. If the		= P(AUB) = 4/5
	probability of getting at		We know, P(AUB) = P(A) + P(B) -
	least one job is 4/5, what		P(A∩B)
	is the probability that he		Or $4/5 = (4/7) + (3/5) - P(A \cap B)$
	will get both jobs?		
	(a) 8/45		Or $P(A \cap B) = (4/7) + (3/5) - (4/5)$
	(b) 31/45		Or $P(A \cap B) = 13/35$
	(c) 14/45		
	(d) 13/35		





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97.	In an election 20% voters	В	80% people casted their votes; 20%
	did not cast their votes,		invalid means only 64% votes casted
	while 20% of the votes		were valid, 2 nd candidate lost the
	casted became invalid and		elections by 4% then total vaild votes
	remaining votes are valid.		is 160000.
	The first candidate got		
	34% of the registered		
	votes (i.e. of the initial		
	total votes) and the		
	remaining votes went to		
	the second candidate. If		
	second candidate lost by		
	10000 votes, then how		
	many votes in the election		
	were valid?		
	(a) 3,12,000		
	(b) 1,60,000		
	(c) 1,13,000		
	(d) 2,34,000		
98.	The Indian Cricket team	D	We are to choose 11 players
	consists of 16 players. It		including 1 wicket keeper and 4
	includes 2 wicket keepers		bowlers
	and 5 bowlers. In how		or, 1 wicket keeper and 5 bowlers.
	many ways can a cricket		Number of ways of selecting 1 wicket
	eleven be selected if we		keeper, 4 bowlers and 6 other players
	have to select 1 wicket		=2C1*5C4*9C6=840
	keeper and at least 4		Number of ways of selecting 1 wicket
	bowlers?		keeper, 5 bowlers and 5 other players
	(a) 840		= 2C1*5C5*9C5=252
	(b) 952		





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	(c) 1040		=> Total number of ways of selecting
	(d) 1092		the team = 840+252= 1092
99.	In a regular week, there	С	Let us assume the man works
	are 5 working days and for		overtime for t hours. Now, working
	each day, the working		hours in 4 weeks = $(5 \times 8 \times 4) = 160$.
	hours are 8. A man gets		Hence, total hours of work = (160 +
	Rs. 2.40 per hour for		15) = 175.
	regular work and Rs. 3.20		
	per hours for overtime. If		
	he earns Rs. 432 in 4		
	weeks, then how many		
	hours does he work for?		
	(a) 172		
	(b) 165		
	(c) 175		
	(d) 162		
100.	One of the greatest	D	Option A is incorrect because it goes
	historical problems is the		against one of the arguments made
	ideal of constructing a		in the passage, Option Bis incorrect
	society based on reason		because it overreaches the terms laid
	and avoiding dogma as a		out in the passage, Option C is
	means of maintaining		incorrect because no such fact about
	order within a society. It		of leaders "being failures in the eyes
	just so happens that we		of history" can be inferred from the
	always find ourselves m a		information given above. Option D is
	society that avoids		correct because it reiterates one of
	rationality to directly		the points made in the argument





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inform its political actions, in the name of securing peace and stability. There are only two ways in which this problem can be solved. First, by appointing leaders that have the ability to act rationally even when surrounded by a political setup based on dogma, few leaders historically have shown the calibre to reconcile such dichotomies. Second, by dismantling the institutions constructed on dogma by a public act of transformation, the principal risk of such movement is that it can lapse into an act of absolution, anarchy and blood ridden internal strife, hurting a nation even more. According to the passage, which of the following is correct?

(a) Only great leaders, with their wisdom and intellect, can create rational societies that only leaders cannot be relied upon to make rational societies.





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	(b) Great men are not born		
	but made, through the		
	processes of historical		
	development		
	(c) All great leaders are		
	failures in the eyes of		
	history, because of their		
	inability to create rational		
	societies.		
	(d) We cannot rely only on		
	leaders to create rational		
	societies, because it's a		
	process where the public		
	also has a part to play		
101.	If Rs. 3006 is to be	В	x + y + z = 3006; Or $x + (x + 152) + (x$
	divided among Karthick,		+220) = 3006; x = 878, Hence,
	Surendhar, and Vignesh,		option (b) is the right answer
	such that Surendhar gets		
	Rs. 152 less than Vignesh		
	and Vignesh gets Rs. 68		
	less than Karthick, then		
	what amount will Ram		
	get?		
	(a) Rs. 1054		
	(b) Rs. 878		
	(c) Rs. 918		
1			
	(d) Rs. 657		
	(d) Rs. 657		





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102.	Ganesh and Dinesh start	В	Based on the above question we can
	simultaneously from A		find that Ganesh has covered 27km
	towards B. When Ganesh		in 4.5km/h means Ganesh covered
	has covered 27 km, Dinesh		27km in 6 hours, after 6 hours he
	doubles his speed and 6		also covers another 27km, totally
	hours later he overtakes		54km is the total distance, Dinesh
	Ganesh. What was Dinesh's		has to cover 54km in 12hrs but his
	original speed if the speed		speed should be double in second
	of Ganesh is 4.5 km/hr?		half of the first half. Going from
	(a) 2 km/hr		option method we can find that
	(b) 3 km/hr		3km/hr in first 6hrs and 6km/hr in
	(c) 6 km/hr		next 6hr will give the total km of
	(d) 4 km/hr		54km.
103.	A man arranges to pay off	A	Eqn. 1 – eqn. 2
	a debt of Rs.3600 in 40		20 = T40 -T30
	annual instalments which		nth term of AP Tn = a+ (n-l)d
	form an arithmetic		20 = a + 39d - (a+ 29d)
	progression, when 30 of		20 = 10d
	the instalments are paid,		where d is the common difference of
	he dies leaving 1 / 3rd of		AP 2 = d; a = 51.
	debt unpaid. What is then		
	the value of the first		
	instalment?		
	(a) 51		
	(b) 50		
	(c) 52		
	(d) 53		
104.	A number is multiplied by	В	Let"s do these two things to 100.
	six; then its decimal point		Multiplying 100 by 6 yields 600; moving the decimal point three places





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	is moved to the left by three spaces. This is the same as what percent of the number? (a) 3/100 % (b) 3/5 % (c) 3/50 % (d) 6 %		to the left changes 600, or 600.0, to 0.60. This means that the new number is 0.60%, or 3/5 %, of the original number.
105.	There is a difference in how commercial agents and economic agents perceive productivity. For commercial agents, productivity is a standalone concept that has little interactive value with a background that is more or less nonessential for such productivity. For economic agents, however, productivity can only make sense if it is linked to all possible factors within a milieu, the material product that is received at the end of the process is not merely equal to its material value but of is social, political and ecological value. According to the passage, which among the following is advocated as a better definition of productivity, from the perspective of a society? (a) Commercial definition of productivity, as perceived by the commercial agent	D	





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	(b) Economic division of		
	productivity, as perceived by the		
	economic agent (c) Both (a) and (b)		
	(d) Neither (a) nor (b)		
106.	A solid cube is painted	A	Cube root of 343= 7; That means
	black on two of its		each side of the cube is divided into 7
	opposite faces and is cut		squares.
	into 343 pieces. how many		The side painted has an area of
	small pieces have no		7*7=49; There are 2 sides like that,
	paint?		so total area painted is 49*2= 98
	(a) 245		squares. 343-98 = 245, therefore the
	(b) 255		number of squares unpainted is 245.
	(c) 98		
	(d) 97		
107.	10 kg of a mixture	A	1.4X = 4; X=20/7.
	contains 30% sand and		
	70% clay. In order to make		
	the mixture contain equal		
	quantities of clay and sand		
	how much of the mixture		
	is to be removed and		
	replaced with pure sand?		
	(a) 20/7		
	(b) 25/7		
	(c) 19/7		
	(d) 23/7		
108.	The Indian Cricket team	D	We are to choose 11 players
	consists of 16 players. It		including 1 wicket keeper and 4
	includes 2 wicket keepers		bowlers
	and 5 bowlers. In how		or, 1 wicket keeper and 5 bowlers.
		l .	





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	money work on a spictrot		Number of ways of selecting 1 wicket
	many ways can a cricket		
	eleven be selected if we		keeper, 4 bowlers and 6 other players
	have to select 1 wicket		=2C1*5C4*9C6=840
	keeper and at least 4		Number of ways of selecting 1 wicket
	bowlers?		keeper, 5 bowlers and 5 other players
	(a) 840		= 2Cl*5C5*9C5=252
	(b) 952		=> Total number of ways of selecting
	(c) 1040		the team = 840+252= 1092
	(d) 1092		
109.	In a regular week, there	С	Let us assume the man works
	are 5 working days and for		overtime for t hours. Now, working
	each day, the working		hours in 4 weeks = $(5 \times 8 \times 4) = 160$.
	hours are 8. A man gets		Hence, total hours of work = (160 +
	Rs. 2.40 per hour for		15) = 175.
	regular work and Rs. 3.20		
	per hours for overtime. If		
	he earns Rs. 432 in 4		
	weeks, then how many		
	hours does he work for?		
	(a) 172		
	(b) 165		
	(c) 175		
	(d) 162		
110.	One-fifth of the light	В	assume 1000 produced; 200
	switches produced by a		defective; 160 defective and rejected;
	certain factory are		40 non-defective rejected by mistake;
	defective. Four-fifths of		40 defective and not rejected; 760
			-





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the defective switches are non-defective and not rejec	ted. Total
rejected and 1 / 20 of the non-rejected and sold = 800	Э.
non-defective switches are percent of the switches sold	l by the
rejected by mistake. If all factory are defective = 40/8	00*100 =
the switches not rejected 5%	
are sold, what percent of	
the switches sold by the	
factory are defective?	
(a) 4%	
(b) 5%	
(c) 6.25%	
(d) 11%	
111. Constitutional reforms are B Option (b) is correct: It is gi	ven in the
usually understood as passage "reform of constitu	tional law
changes to existing takes place in different con	texts, i.e.
constitutional law and in the aftermath of a conflic	et where a
practice. They are new constitution to establish	sh
necessary when the democracy is used to const	ruct a
parameters on which the sustainable peace; or in est	ablished
life of the society are democracies to advance refe	orms and
based are inadequate and promote social justice". So	
constitute a burden to the constitutional reforms are n	necessary
effective functioning of the to promote "social justice" a	and it can
State, or when there is a be implied that 'compulsory	right to
need to resolve conflict or education' is part of social j	ustice.
to restore State structures So, this statement is correct	t.
All All I am and a man	
that have collapsed as a	
result of an internal	
- I I	





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constitutional law takes place in different contexts: former autocratic forms of government transitioning to democracy; in the aftermath of a conflict where a new constitution to establish democracy is used to construct a sustainable peace; or in established democracies to advance reforms and promote social justice. Which one of the following is best implied in the passage? (a) Constitutional reform is necessary only in the case when there is collapse of state structure due to internal conflict between stakeholders. (b) Constitutional reforms may be necessary to provide compulsory rights, such as right to education to every section of society. (c) Independent judiciary is a bulwark to establish democracy and

promote sustainable peace





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	when the state is undergoing		
	internal conflict.		
	(d) Constitutional reform in		
	every society has ensured		
	transition from dictatorship		
	to democracy and promoted		
	social justice.		
112.	Constitutional reforms are usually understood as changes to existing constitutional law and practice. They are necessary when the parameters on which the life of the society are based are inadequate and constitute a burden to the effective functioning of the State, or when there is a need to resolve conflict or to restore State structures that have collapsed as a result of an internal conflict or aggression. As a consequence, reform of constitutional law takes place in different contexts: former autocratic forms of government transitioning to democracy; in the aftermath of a conflict where a new constitution to establish democracy is used to construct a sustainable peace; or in established democracies to advance reforms and promote social justice. With reference to the above passage, the following assumptions have been made:	A	Assumption (1) is correct and Assumption (2) is Incorrect





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	T		
	 One of the goals of constitutional reforms maybe to reshape the State order by means of promoting the idea of welfare state. There is no chance of dictatorship in society which is protected by constitutional norms and values. Which of the above assumptions is/are valid? (a) 1 only (b) 2 only (c) Both 1 and 2 (d) Neither 1 nor 2 		
113.	The output of a factory is	В	Percentage Change = (New - Old)/Old
	increased by 10% to keep		= about -25%.
	up with rising demand. To		
	handle the holiday rush,		
	this new output 1s		
	increased by 20% by		
	approximately what		
	percent would the output		
	of the factory now have to		
	be decreased in order to		
	restore the original		
	output?		
	(a) 20		
	(b) 24		
	1		
	(c) 22		
	(c) 22 (d) 18		





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114. We must remember that	С	Option (c) is correct: The passage
there are always good		mentions "A decision not to give into
reasons to be a racist,		these prejudices is not a judgment of
colourist, communalist,		reason and rationality alone; it is
casteist or misogynist. A		also an ethical judgment which
decision not to give into		depends on how we allocate value to
these prejudices is not a		anything". So, it can be inferred that
judgment of reason and		one's sound ethical values and moral
rationality alone; it is also		principles along with reason and
an ethical judgment which		rationality may not let him/her to
depends on how we		give into any kind of prejudices.
allocate value to anything.		
Ironically, reason and		
rationality have always		
played a central role in		
promoting prejudices		
against color, caste,		
religion, sexuality, gender		
and other cultures.		
Which one of the following		
is the most logical and		
rational inference that can		
be made from the above		
passage?		
(a) A rational and objective		
mind will never be pre		
judgemental towards race,		
color, caste, gender.		
(b) In our social architecture		
patriarchal values are the		





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	sole reason to be a racist,		
	colourist or even misogynist.		
	(c) A rational and reasonable		
	mind which believes in		
	values and moral principles		
	may be able to avoid		
	prejudices against race,		
	color, caste, and gender.		
	(d) Any kind of preconceived		
	notion and even		
	discrimination based on		
	colour, caste, gender is		
	violative of right to equality		
	and unlawful.		
115.	From a squad of 21 players in Indian women's cricket team, 11 have to be chosen for the semi- final match. 4 of the seniors were given rest and 3 were injured. If Jemimah Rodrigues and Megha Singh are already in the team, in how many ways can the team be formed? (a) 220 (b) 364 (c) 2002 (d) None of these	A	Out of 21 players, 4 seniors are in rest and 3 are injured. In total, 7 will not be chosen for the team. And already 2 women are included. Hence only 9 women are needed out of 12 women. So, number of ways that the team can be formed = 12C9 = 220
116.	The percentage of profit	С	Since the profit and loss percentages
	earned by selling an item		are the same, the amount gained and
	for Rs. 2484 is equivalent		lost would be the same.
	to the percentage of loss		SP = 120% of CP





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	T	1	
	incurred by selling the		$SP = 1.2 \times 2300 = 2760$
	same at Rs. 2116. What is		
	the selling price of the		
	article if the shopkeeper		
	needs to make 20% profit?		
	(a) 2300		
	(b) 2576		
	(c) 2760		
	(d) 2990		
117.	Balu increased the radius of a cylindrical utensil by 50%. By what percent can he expect the volume of water poured to be increased? (a) 120 (b) 75 (c) 150 (d) 125	D	New radius = 1.5r New Volume = $\pi(1.5r)2h = 2.25\pi r 2h$ Volume increment = 1.25 = 125%
118.	Performance trends reveal	С	In the passage Author mention that
	that urban learner always		grades in urban are better not
	secure better grades than		because rural learners are lack of
	their rural counterparts. It		calibre but it is due to lack of basic
	is not calibre that affects		facilities.
	their performance, but the		
	resources and		
	opportunities available to		
	them. Again, we cannot		
	say that teaching is not a		
	motivating profession.		
	There are truly passionate		





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	teachers out there to make		
	a difference. However, poor		
	remuneration and		
	inadequate training are		
	discouraging. Technology,		
	on its part, has the		
	potential to positively		
	affect the quality of		
	education, and also to		
	break the digital divide		
	plaguing our system.		
	Which of the following best		
	inferred from the passage?		
	(a) Rural learner has a lack		
	of calibre due to inadequate		
	training of teachers.		
	(b) It's the government duty		
	to provide teacher better		
	salary and adequate training		
	(c) Urban learner gets better		
	facilities than Rural learners		
	(d) For achieving a quality		
	education learners must		
	migrate to Urban Areas.		
119.	When the time in the wall-	С	In a clock, the angle between two
	clock is 3.25 p.m., the		successive numbers is 360°/12 =
	acute angle between the		30°. When the time is 3.25 pm, the
	hours-hand and the		minute hand will be on 5 and will
	minutes-hand is		have moved 60° from 3 and hour





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	(a) 60°		hand would be between 3 and 4 and
	(b) 52.5°		as it moves 30° in 60 minutes,
	(c) 47.5°		So, in 25 minutes, it would move
	(d) 42°		12.50. So, the difference between two
			hands will be = 60° – 12.5° = 47.5°
120.	The age of a man is three	В	
	times the sum of the ages		
	of his two sons. Five years		
	hence, his age will be		
	double of the sum of the		
	ages of his sons. The		
	father's present age is		
	(a) 40 years(b) 45 years(c) 50 years(d) 55 years		
121.	Sixty percent of the rats	A	Death rates
	included in an experiment		Male = 0.7a/0.4x; Female =
	were female rats. If some		0.3a/0.6x.
	of the rats died during an		Ratio of death rates among males
	experiment and 70 percent		and females = $0.7a/0.4x*0.6x/0.3a$
	of the rats that died were		=0.7/0.2=7/2
	male rats, what was the		
	,		
	ratio of the death rate		
	·		
	ratio of the death rate		
	ratio of the death rate among the male rats to the death rate among the female rats?		
	ratio of the death rate among the male rats to the death rate among the female rats? (a) 7: 2		
	ratio of the death rate among the male rats to the death rate among the female rats?		
	ratio of the death rate among the male rats to the death rate among the female rats? (a) 7: 2		





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	1		
122.	How many positive	D	Divisible by 125:
122.	integers less than 100,000		Last 3 digit should be divisible by
	and divisible by 125 can be		125.
	formed using the digits 0,		
	1, 2, 5 and 8, if repetition		125, 250, 500 are the only 3 digit
	is allowed?		numbers can be formed with above
	(a) 24		condition; for four digit number 4(1,
	(b) 69		(2, 5, 8) * 3 = 12 numbers can be
			formed; for five digit number
	(c) 79		Using the above method we can say
	(d) 75		totally 60 numbers i.e., 4 digits can
			be in 1st place and 5 digits can be in
			2 nd place, 4*5 – 20.
			20*3(125,250,500) = 60.
			Totally 60 + 12 + 3 = 75 numbers
			can be formed.
123.	How many prime numbers	В	The list of prime numbers between
	are there in between the		100-200 is given below- 101, 103,
	natural numbers of 100		107, 109, 113, 127, 131, 137,
	and 200?		139,149,151,157, 163, 167, 173,
	(a) 20		179, 181, 191, 193, 197 and 199.
	(b) 21		Therefore, there are a total of 21
	(c) 22		prime numbers between 100 to 200.
	(d) 23		
124.	A teacher conducted a	С	Before Narayanan 14 persons are
	test is his class. Among		there(without narayanan), After
	the students who passed		Narayanan 18 persons are
	•		





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	41- 44 November 200	I	41(
	the test, Narayanan was		there(without narayanan). 14+18=32
	ranked 15th from the top		students are there (without
	and 19th from the last.		narayanan). 33(with narayanan), 33
	Seven boys did not		+ 7 + 12 = 52.
	participate in the test and		
	twelve students failed the		
	test. How many students		
	were there in the class?		
	(a) 50		
	(b) 51		
	(c) 52		
	(d) 53		
125.	. In a certain code	D	The middle letter remains unaltered
	language 'CRYSTAL' is		in the code and remain letters are
	written as 'YRCSLAT'. How		exchanged with opposite letter
	would 'CONTROL' be		
	written in that code?		
	(a) LCOORNT		
	(b) LRNCOTO		
	(c) CNRLOTO		
	(d) NOCTLOR		
126.	If 6^2019 is divided by 10,	С	Cyclicity of '6' is 1 so, 6 power any
	then what is the		number will be the unit digit of 6
	remainder?		and the same of the same stages of the
	(a) 2		
	(b) 4		
	(c) 6		
1	(d) 8	1	





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	<u> </u>	Ī	
127.	If 15×14×13x×3×2×1 =	С	1 x 2 x 3 x 4 x 5 x 6 x 7 x 8 x 9 x 10
	[4^m] x n where m and n		x 11 x 12 x 13 x 14 x 15 can be
	are positive integers, then		written as 1 x 3 x 5 x 3 x 7 x 9 x 5 x
	what is the maximum		11 x 3 x 13 x 14 x 15 x [4^5]. The
	value of m?		answer is 5
	(a) 7		
	(b) 6		
	(c) 5		
	(d) 4		
128.	How many three odd	В	3, 5, 7 are the only three consecutive
	consecutive prime		odd natural numbers that are prime.
	numbers are there?		
	(a) None exist		
	(b) 1		
	(c) 2		
	(d) 3		
129.	What is the unit digit in	В	Unit digit of '(57242)^9x7x5x3×1]' is
	the expansion of		2 and unit digit of
	[(57242)^9x7x5x3×1] +		$(97531)^5x7x2x4x2$ is 1; $2 + 1 = 3$.
	(97531)^5x7x2x4x2?		
	(a) 2		
	(b) 3		
	(c) 4		
	(d) 7		
		l	





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130.	For any choices of values	Α	XYXYXY is divisible by 3, 7, 13 & 37.
	of X and Y, the 6-digit		3 , ,
	number of the form		
	XYXYXY is divisible by		
	(a) 3 only		
	(b) 5 only		
	(c) Both A and B		
	(d) None		
131.	Malnutrition most	С	There is a catch in option
	commonly occurs between		(a) – regular does not mean 'enough'
	the ages of six months and		and 'adequate'.
	two years. This happens		(c) is more appropriate.
	despite the child's food		The passage talks primarily about
	requirements being less		raising awareness about child's
	than that of an older child.		actual food needs; and then any one
	Malnutrition is often		can satisfy them.
	attributed to poverty, but		
	it has been found that		
	even in households where		
	adults eat adequate		
	quantities of food, more		
	than 50 per cent of		
	children-under-five do not		
	consume enough food. The		
	child's dependence on		
	someone else to feed		
	him/her is primarily		
	responsible for the		
	malnutrition. Very often		
	the mother is working and		





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the responsibility of		
feeding the young child	l is	
left to an older sibling.	It is	
therefore crucial to		
increase awareness		
regarding the child's fo	od	
needs and how to satisf	fy	
them.		
According to the passag	ge,	
malnutrition in childre	n	
can be reduced		
a) if the children have		
regular intake of food.		
b) after they cross the ag	ge of	
five.		
c) if the food needs of		
younger children are kno	own.	
d) if the responsibility of		
feeding younger children	is.	
given to adults.		
132. Malnutrition most	D	Both are extreme statements.
commonly occurs betw	een	
the ages of six months	and	
two years. This happen	s	
despite the child's food	l	
requirements being less		
than that of an older cl	hild.	
Malnutrition is often		
attributed to poverty, b	out	
it has been found that		
even in households who	ere	





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adults eat adequate quantities of food, more than 50 per cent of children-under-five do not consume enough food. The child's dependence on someone else to feed him/her is primarily responsible for the malnutrition. Very often the mother is working and the responsibility of feeding the young child is left to an older sibling. It is therefore crucial to increase awareness regarding the child's food needs and how to satisfy them.

According to the author, poverty is not the main cause of malnutrition, but the fact that

- taking care of younger ones is not a priority for working mothers.
- awareness of nutritional needs is not propagated by the





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	Public Health		
	authorities.		
	Select the correct answer		
	using the code given		
	below:		
	a) 1 only		
	b) 2 only		
	c) Both 1 and 2		
	d) Neither 1 nor 2		
133.	Four friends, A, B, C and D	A	Solution: a)
	distribute some money		S1 – A= B-1
	among themselves in such		S2 - C=D+5
	a manner that A gets one		S3 - D = B+3
	less than B, C gets 5 more		So, C> D >B> A
	than D, D gets 3 more than		
	B. Who gets the smallest		
	amount?		
	a) A		
	b) B		
	c) C		
	d) D		
134.	Five cities P, Q, R, S and T	A	Pboat/railQAirT
	are connected by different		Boat
	modes of transport as		Boat
	follows:		↓ Rail/Bus
	P and Q are connected by		Rboat/busS
	boat as well as rail.		
	Sand R are connected by		
	bus and boat.		





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	Q and T are connected by air only. P and R are connected by boat only. T and R are connected by rail and bus. Which mode of transport would help one to reach R starting from Q, but without changing the mode of transport? a) Boat		
	b) Rail		
	c) Bus d) Air		
135.	Read the following statements and answer the four items that follow: Five cities P, Q, R, S and T are connected by different modes of transport as follows: P and Q are connected by boat as well as rail. Sand R are connected by bus and boat. Q and T are connected by air only. P and R are connected by boat only. T and R are connected by rail and bus. Read the following statements and answer	В	Because the node at R leads to S from where there is no other way. So, one has to return to R in any possible way. Pboat/railQAirT Boat Rail/Bus Rboat/busS





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	If a person visits each of the places starting from P and gets back to P, which of the following places must he visit twice? a) Q b) R c) S d) T		
136.	Read the following	D	
	statements and answer the		
	four items that follow:		
	Five cities P, Q, R, S and T		
	are connected by different		
	modes of transport as		
	follows:		
	P and Q are connected by		
	boat as well as rail.		
	Sand R are connected by		
	bus and boat.		
	Q and T are connected by		
	air only.		
	P and R are connected by		
	boat only.		
	T and R are connected by		
	rail and bus.		
	Read the following		
	statements and answer		
	Which one of the		
	following pairs of cities is		
	connected by any of the		
	routes directly without		
	going to any other city?		





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	a) P and T		
	b) T and S		
	c) Q and R		
	d) None of these		
137.	Read the following	В	
	statements and answer the		
	four items that follow:		
	Five cities P, Q, R, S and T		
	are connected by different		
	modes of transport as		
	follows:		
	P and Q are connected by		
	boat as well as rail.		
	Sand R are connected by		
	bus and boat.		
	Q and T are connected by		
	air only.		
	P and R are connected by		
	boat only.		
	T and R are connected by		
	rail and bus.		
	Read the following		
	statements and answer		
	Between which two cities		
	among the pairs of cities		
	given below are there		
	maximum travel options		
	available?		
	a) Q and S		
	b) P and R		





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	c) P and T		
	d) Q and R		
138.	Examine carefully the	D	
	following statements and		
	answer the three items		
	that follow:		
	Out of four friends A, B, C		
	and D,		
	A and B play football and		
	cricket,		
	Band C play cricket and		
	hockey,		
	A and D play basketball		
	and football,		
	C and D play hockey and		
	basketball.		
	Who does not play		
	hockey?		
	a) D		
	b) C		
	c) B		
	d) A		
139.	Examine carefully the	С	
139.	following statements and	C	
	answer the question:		
	Out of four friends A, B, C		
	and D,		
	A and B play football and		
	cricket,		
	CIICACL,		





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	Band C play cricket and hockey, A and D play basketball and football, C and D play hockey and basketball. Who plays football, basketball and hockey? a) D b) C c) B d) A		
140.	Examine carefully the following statements and answer the question Out of four friends A, B, C and D, A and B play football and cricket, Band C play cricket and hockey, A and D play basketball and football, C and D play hockey and basketball. Which game do B, C and D play? a) Basketball b) Hockey c) Cricket d) Football	В	
141.	Read the following passage and answer the question.	В	





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higher-than-normal levels

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YOUR' answers to these items should be based on the passage only. **Passage** Financial markets in India have acquired greater depth and liquidity over the years. Steady reforms since 1991 have led to growing linkages and integration of the Indian economy and its financial system with the global economy. Weak global economic prospects and continuing uncertainties the in international financial markets therefore, have had their impact on the emerging market economies. Sovereign risk concerns, particularly in the Euro area, affected financial markets for the greater part of the year, with the contagion of Greece's sovereign debt problem spreading to India and other economies by way of





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of volatility. The funding constraints in international financial markets could impact both the availability and cost of foreign funding for banks and corporates. Since the Indian financial system is bank dominated, banks' ability to withstand stress is critical to overall financial stability. Indian banks, however, remain robust, notwithstanding a decline in capital to riskweighted assets ratio and a rise in nonperforming asset levels in the recent past. Capital adequacy levels remain above the regulatory requirements. The financial market infrastructure continues to function without any major disruption. With further globalization, consolidation, deregulation, and diversification of the financial system, the banking business may





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become more complex and riskier. Issues like risk and liquidity management and enhancing skill therefore assume greater significance.

According to the passage, the financial markets in the emerging market economies including India had the adverse impact in recent years due to

- 1. weak global economic prospects.
- 2. uncertainties in the international financial markets.
- 3. sovereign risk concerns in the Euro area.
- 4. bad monsoons and the resultant crop loss.

Select the correct answer using the code given below:

- a) 1 and 2 only
- b) 1, 2 and 3
- c) 2 and 3 only





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	d) 2, 3 and 4	
	u, 2, 0 and T	
140	Dani 44 a C. 11 1	0
142.	Read the following passage	С
	and answer the question.	
	YOUR' answers to these	
	items should be based on	
	the passage only.	
	Passage	
	Financial markets in India	
	have acquired greater	
	depth and liquidity over	
	the years. Steady reforms	
	since 1991 have led to	
	growing linkages and	
	integration of the Indian	
	economy and its financial	
	system with the global	
	economy. Weak global	
	economic prospects and	
	continuing uncertainties	
	the in international	
	financial markets	
	therefore, have had their	
	impact on the emerging	
	market economies.	
	Sovereign risk concerns,	
	particularly in the Euro	
	area, affected financial	
	markets for the greater	
	part of the year, with the	
1	part of the year, with the	





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contagion of Greece's sovereign debt problem spreading to India and other economies by way of higher-than-normal levels of volatility. The funding constraints in international financial markets could impact both the availability and cost of foreign funding for banks and corporates. Since the Indian financial system is bank dominated, banks' ability to withstand stress is critical to overall financial stability. Indian banks, however, remain robust, notwithstanding a decline in capital to riskweighted assets ratio and a rise in nonperforming asset levels in the recent past. Capital adequacy levels remain above the regulatory requirements. The financial market infrastructure continues to function without any major disruption. With further globalization,





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	gardening. The gardening		
	chess, electronics and		only three times.
	photography, yachting,		same day on every 60th day. Hence,
	in a college viz,		get 60 i.e. all the groups meet on the
143.	There are five hobby clubs	A	Take the LCM of 2,3,4,5 and 6. You
	sovereign debt problem.		
	d) contagion of Greece's		
	financial markets.		
	and integration of the Indian		
	c) growing global linkages		
	foreign exchange reserves.		
	b) enormous increase in the		
	remittances from abroad.		
	a) increased inflow of		
	to the		
	global changes mainly due		
	markets are affected by		
	The Indian financial		
	significance.		
	assume greater		
	enhancing skill therefore		
	liquidity management and		
	riskier. Issues like risk and		
	become more complex and		
	banking business may		
	financial system, the		
	diversification of the		
	consolidation, deregulation, and		





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group meets every second	1
day, the electronics group	
meets every third day, the	
chess group meets every	
fourth day, the yachting	
group meets every fifth	
day and the photography	
group meets every sixth	
day. How many times do	
all the five groups meet on	
the same day within 180	
days?	
a) 3	
b) 5	
c) 10	
d) 18	
144. A, B, C, D and E belong to D From the statements you can	1
five different cities P, Q, R, construct the following and the	
construct the following and the	
Sand T (not necessarily in figure out what belongs to wh	
Sand T (not necessarily in figure out what belongs to what bel	
that order). Each one of Q-B, C, D, E A P-B, E C R	– B, E,
that order). Each one of them comes from a Q - B, C, D, E A P - B, E C R A, C D S - A, C E T- A, C, D,	– B, E,
that order). Each one of them comes from a different city. Further it is $Q - B, C, D, E A P - B, E C R$ $A, C D S - A, C E T - A, C, D, E A P - B = C R$	– B, E,
that order). Each one of them comes from a Q - B, C, D, E A P - B, E C R A, C D S - A, C E T- A, C, D,	– B, E,
that order). Each one of them comes from a different city. Further it is $Q - B, C, D, E A P - B, E C R$ $A, C D S - A, C E T - A, C, D, E A P - B = C R$	– B, E,
that order). Each one of them comes from a different city. Further it is given that: $Q - B, C, D, E A P - B, E C R$ $A, C D S - A, C E T - A, C, D, E A P - B = C R$ $A, C D S - A, C E T - A, C, D, E = C R$	– B, E,
that order). Each one of them comes from a different city. Further it is given that: 1. B and C do not belong to Q.	– B, E,
that order). Each one of them comes from a different city. Further it is given that: 1. B and C do not belong	– B, E,





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	3. A and C do not belong	
	to R, Sand T.	
	4. D and E do not belong	
	to Q and T.	
	Which one of the	
	following statements is not	
	correct?	
	a) C belongs to P	
	b) D belongs to R	
	c) A belongs to Q	
	d) B belongs to S	
145.	Seven men, A, B, C, D, E,	С
	F and G are standing in a	
	queue in that order. Each	
	one is wearing a cap of a	
	different colour like violet,	
	indigo, blue, green, yellow,	
	orange and red. D is able to	
	see in front of him green	
	and blue, but not violet. E	
	can see violet and yellow,	
	but not red. G can see caps	
	of all colours other than	
	orange. If E is wearing an	
	indigo coloured cap, then	
	the colour of the cap worn	
	by F is	
	a) Blue	
	a) Diuc	





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b) Violet

- c) Red
- d) Orange







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