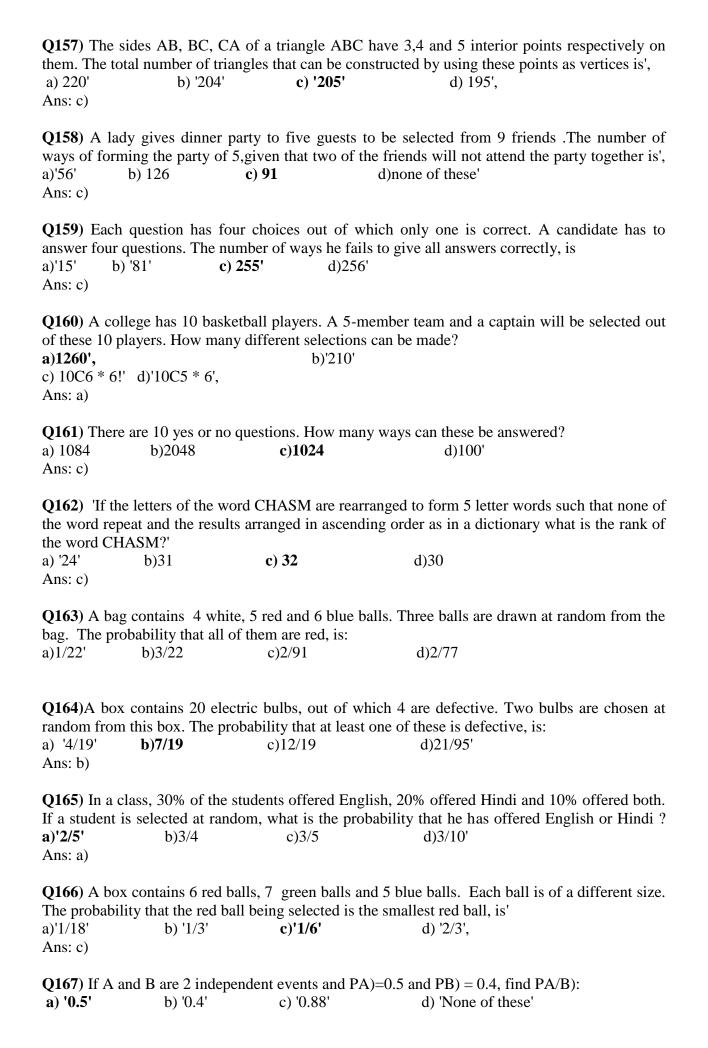
a)210 b)10 Ans: c)	o50 c) 2	5200	d) 21400	e)none of these	
Q147) 3 books of r the same subject alv a) 1440 b)19 Ans: a)	ways remain tog	gether .The pos	•	n a shelf so that the books are .	on
Q148) The number question having an a) 28-1 b) Ans: b)	alternative, is',	ections of one 8-1' d)none	-	from 8 given questions, ea	ıch
Q149)'A five -digit repetition. The total a) '216' Ans: a)		•	one is'	nerals 0,1,2,3,4 and 5 without 25'	out
A to A IS',	ntaining 10 dist			ber of distinct functions fro	om
Q151) A polygon h a)10 b)11 c)12 d)2	_	s, the number o	f its sides is		
Q152) Choose the correct answer. The number of triangles that can be formed by choosing the vertices from a set of 12 points, seven of which lie on the same straight line is a)105 b)115 c)175 d)185					
Q153) Choose the correct answer. There are 5 letters and five addressed envelops, the number of ways in which all the letters can be put in wrong envelops is a)119 b)44 c)59 c)40					
Q154) The number of ways in which 8 different flowers can be strung to form a garland so that 4 particular flowers are never separated is a)960 b)2880 c)288 d)576					
Q155) At an election there are five candidates and three members to be elected , and a voter may vote for any number of candidates not greater than the number to be elected. Then the number of ways in which a voter may vote is a)25 b)30 c)32 d)none of these					
Q156) There are direction be made from them a) 'np' c) 'p+1)n -1'		nd copies of ea b) 'pn' d) 'n+1)p-1'	ch. the number of	ways in which a selection c	an

Q146) Out of 7 consonants and four vowels ,how many words of three consonants and 2 vowels

can be formed?'



probability that	the number forme	d is a multiple o	f 4?	at repetition. What is the			
a) '1/4' Ans: b)	b) '1/5'	c) '2/5'	d)1/120'				
Q169) In a sing a) 4 Ans: c)	gle throw of dice, v b)1/3	what is the proba c)2/3	bility to get a number d)1/2	greater or equal to 4?', 0, e)None of these'			
_	_			nts to eat a banana or an that he will get a fruit of			
a) '3.5/12' Ans: b)	b) '7/12'	c)'5/12'	d) , 'None of these'				
- '				e balls. Box B has five red s the probability that both			
a) '4/7' Ans: d)	b) '8/49'	c) '7/8'	d) '15/49'				
Q172) Ravi has a bag full of 10 Nestle and 5 Cadbury chocolates. He draws two chocolates. What is the probability that he got at least one Nestle chocolate?' a) '2/3' b) '3/7' c) '2/21' d) 'None of these' Ans: d)							
	pability of having a coability of having a c		n 5 throws of a coin is) 'None of these'	3'			
probability that	the pencils are of	the same colour	?	s are drawn, what is the			
a)'5/108' Ans: d)	b) '1/6'	c) '5/18'	d) '4/9'				
Q175) A single letter is drawn at random from the word, "ASPIRATION", the probability that it is a vowel is?							
a)'1/2' Ans: a)	b) '1/3'	c) '3/5'	d) '2/5'				
-	Q176) The probability that a man can hit a target is 3/4. He tries 5 times. The probability that he will hit the target at least three times is:						
a) 291/364' Ans: d)	b) '371/464'	c) '471/5	02' d) '45 9	0/512			

Q177) An unbiase than 4 in any of the		imes. The probability th	at the value on the dice is not more		
a) '8/27' Ans: a)	b)'1/27'	c) '26/27'	d) '2/3'		
			of event B is 0.2. The probability of t none of A and B occur? d) 'None of these		
Q179) An unbiase tail appearing on t		times. If tail appears on	first four tosses, then probability of		
a)'1/2' Ans: a)	b) '1'	c) '0'	d) '4/5'		
	-	events. The probability he probability of occurre c) '1/2'	that X and Y occur is 1/12, and the ence of X can be: d) '1/10'		
		probability of getting tw	oility of getting 4 tails equals the vo tails is: d)None of these		
			r persons. If the arrangement of the y 3 persons between Sudhanshu and		
a) '9/11' Ans: b)	b)'2/11'	c)'1/11'	d) 'None of these		
Q183) Three nur consecutive is:	nbers are chosen f	from 1 to 30 randomly.	The probability that they are not		
a)'1/145' Ans: b)	b)'144/145	c) '139/140'	d) '1/140'		
Q184) A bag is full of 20 bananas and no other fruit. Rajeev draws a fruit from the bag. What is the probability that he will draw a banana?					
a) '1' Ans: a)	b) '0'	c) '1/2'	d) 'None of these		
is rolled again, what a)'1'	nat is the probability	y that the outcome is 6?	are 1, 2, 3, 4 and 5 respectively. If it d) 'None of these		
Ans: c)					

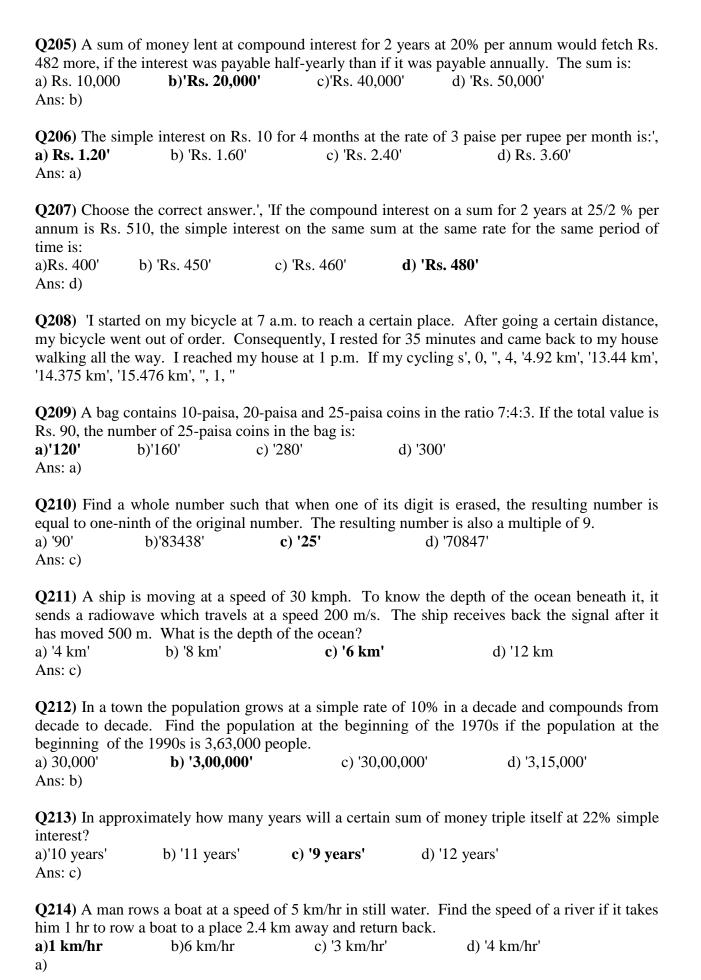
Choose the correct answer:

	robability of draw that there is a character b) '50'				?	apples should
Q187) What a)'1/7' Ans: a)	is the probability b) '1/5'	for a day to be 3 c) '52/365'	Sunday?'	d) 'None of t	hese	
_	has a bag with threack in the bag. Si		•			
a)1/8' Ans: a)	b) '1/2'	c) '1/3'		d) 'None of the	nese	
probability. N	ar has a bag wi Now, he draws ou at both balls are b	it a ball and it				
a)'1/2' Ans: a)	b) '1/4'	c) '1'	•	d) 'None of th	ese'	
Q190) A coi	n is tossed thrice ad third lands tail a b) '3/8'		-	that the firs None of th		n lands head,
Ans: c)	0) 3/8	C) 1/0	C	i) None of th	ese	
	robability of occu What is the proba b)'0.1'		ence of bot			The events are
	robability of occulusive. What is the b) '0'		occurrence		dB?	The events are
	robability of occur lusive. What is the b) '0.75'		occurrence		r Y?	The events are
the votes pol	of the voters did reled were found in ority of 1620 vote b) '3300	nvalid. The suces. The number	ccessful ca	ndidate got 5 enrolled on the	4% of the va	
	C started a busing same amount as b					

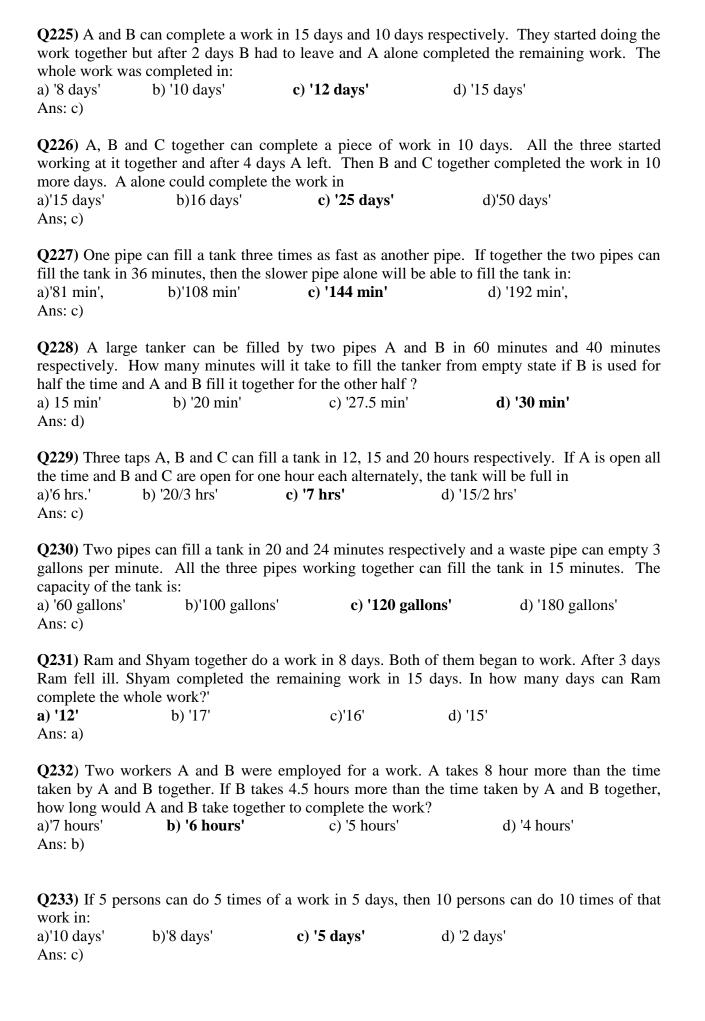
ratio of their profits at the end of the year is:
a) '4:3:5'
b) '5:6:10'
c) '6:5:10'
d) '10:5:6'



-	1 0		of the third variety per kg will be: d) 'Rs. 180'
are drawn off and		th B, the ratio of A	in the ratio 7:5. When 9 litres of mixture A and B becomes 7:9. How many litres of d)'25'
Ans: c)	0) 20	<i>c)</i> 21	d) 23
	ught a number of cliven should he sell the b)'Rs 5'	• •	and an equal number at 2 for a rupee. At fit of 20%?' d) 'Rs 7
Ans: c)	0) KS 3	C) KS 0	u) Ks /
certain rate. He		sold the entire qua	17.50 per kg and another 30 kg rice at a antity at the rate of Rs. 18.60 per kg and urchase the lot d) 'Rs. 15.50' e) 'None of these'
60 each. It costs expenses of Rs. 3	him Rs. 40 in mate 000 per week in ord	rials and labour to er to operate the p	he can produce at the selling price of Rs. o produce each item and he has overhead lant.) '400',
	picycle to B at a protest price of the bicycle		s it to C at a profit of 25%. If C pays Rs.
a) Rs. 110' Ans: d)	b) 'Rs.120'	c) 'Rs. 125'	d) 'Rs. 150'
	e correct answer.', 'It 340, the cost of the a	_	ed by selling an article for Rs. 350 than by
_		c) 'Rs. 200'	d) 'Rs. 225'
 br/>1. Money	gets doubled in 5 yrs if the rate of intererrect'	years if the rate o	money is lent at simple interest, then the f interest is 50/3 %. b/>2. Money gets Money becomes', b) '2 alone is correct' d) '2 and 3 are correct'
	ence between simple eckoned half-yearly b) 'Rs. 3'	_	d) 'Rs. 4' e) 'None of these



_	-		ownstream in 5 hr. It can all of the water current is', km/hr' d) '25 km/	
opposite ends of the	e pool. They sw	im at constant but	swimming race at the same different speeds. They firs gth, each swimmer take', d)Data insufficier	t pass at a point
	oth again arrive to w many times w	ogether at the star	on a circular track and warting point. A completes one B? d) '7'	
		ece of work in 1	8 days. In how many day	s will 27 men
complete the same a)'12' b) '1 Ans: d)		d) '24'	e) 'None of these	
30 persons, working	g 6 hours a day, o	complete the work		many days will
a)'10' b) 1 Ans: b)	13'	c)14'	d)15'	
Q220) If 7 spiders a) '1' b)'7/2' Ans: c)		days, then 1 spid d)'4	ler will make 1 web in how 1 9'	many days ?
Q221) Some person will do half of that		e of work in 12 da	ys. Two times the number	of such persons
	days	c) '3 days	d) '12 days'	
a computer, while l together on two diff	Elan takes 5 hour ferent computers	rs to type 40 page to type an assign	t. Ronald takes 6 hours to types. How much time will the ment of 110 pages? urs 15 minutes', d)'8 hor	y take, working
		•	15 days, C and A in 20 days	. If A, B and C
work together, they a) '5 days' Ans: c)	will complete the b)'47/6 days'		d) '47/3 days'	
Q224) A and B can can be done by A a		er in 7 days. A is	s 7/4 times as efficient as B	. The same job
a)'28/3 days' Ans: b)		c) '49/4 days	' d) '49/3 days'	

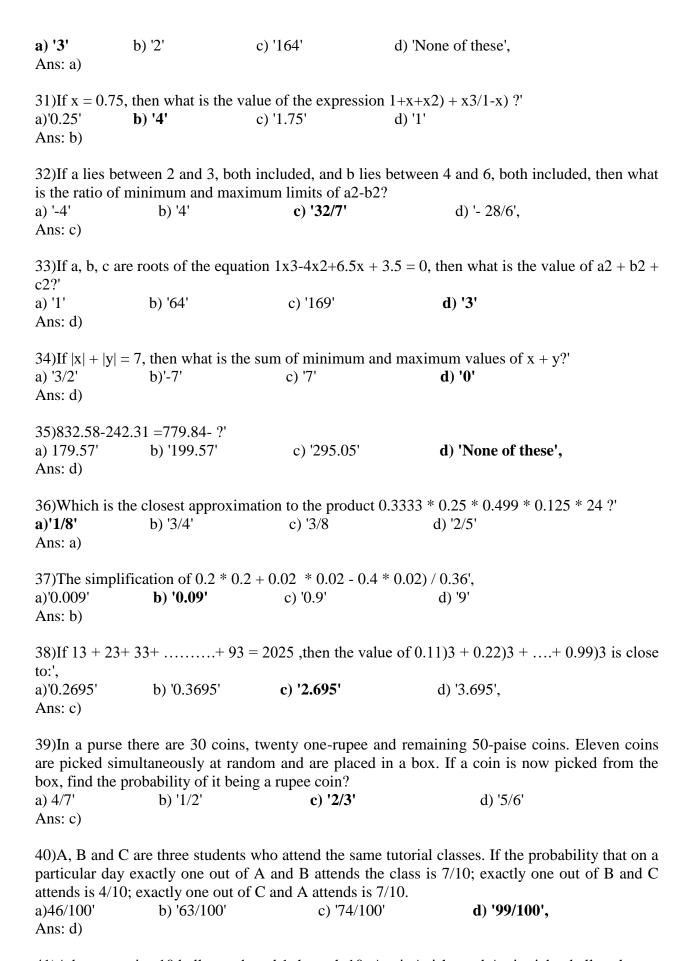


_	aps can fill a ciste or a minute, in what b) '6.25 min	at time will the	cistern be filled?	-	these taps are opened
	aps A and B can fi min. If all the thre b) '35 min'	e taps are opene		n to fill the	cively. Third tap C can existern is: 2 min'
-	mps can empty a rurs a day, then the s b)'3 days'	same work will	•		day. If 196 pumps are days'
_	n complete one-found ed to complete the b) '36'	-	-	ys. What is	the additional number
of work in 7.5	5 days. A alone ca	n do in:			ogether can do a piece
a) 30 days Ans: a)	b) '40 days	c) '50 days'	a) 61	0 days'	e) 'None of these'
_	ap in 8 hours. If a		pened, the cister		
km/hr. Its spe		by a quantity th	at varies propor	tionally as	an go at a speed of 40 the square root of the

1) If 33 untrained labourers can do a work in 15 days of 12 hr. each, how many trained labourers can do 50% more work in 11 days of 9 hr each? It may be assumed that it takes 2 trained labourers to do the work of 5 untrained labourers)' '42', '90'. '36', '100'. 2) Which of the following fractions is less than 7/8 and greater than 1/3? '23/24', '11/12', '11/24', '1/4', **3)** 892.7 - 573.07 - 95.007 = ? '224.623', '233.523', '414.637', '224.777', 4) Which is the closest approximation to the product 0.3333 x 0.25 x 0.499 x 0.125 x 24? '3/4'. '3/8', '2/5', ", '1/8', 5) Find the value of X 0.009/X = 0.01a)0.0009 b)0.09 c)0.9 d)9 6)The least among the following is: a)0.2 b)1/0.2 c)0.22222222 **d)0.2** 7) In the following expression, there are two missing digits: * and #. Find the value of * a)4 b)6 c)8 d)None of these 8) What is the value of -5)4)2)-1/2)3/4) ?', 0, ", 4, '-30', '-15', '15', '30', ", 3, ", 4, 0, ", '0000-00-00 00:00:00', '0000-00-00 00:00:00', ", 'Numbers', 'Quantitative', If x * y = x2 + y2 - xy, then the value of 9 * 11 is: ', 0, ", 4, '93', '103', '113', '121', ", 2, ", 4, 0, ", 10) If a = 0.1039, then the value of $(4a^2 - 4a + 1)^{1/2 + 3a}$ is: a)0.1039 b)0.2078 c)1.1039 d)2.1039 11) If a, b, c, d, e are five consecutive odd numbers, their average is: a)5a + 4 b)abcde/5 c)5(a + b + c + d + e) d)None of these 12)(x % of 932) + 30 = 309.6.Find x. a)25 **b)30 c**)35 d)40 13) Which of the following multipliers will cause a number to be increased by 29.7%? **a)1.297** b)12.97 c)129.7 d)1297 14) If 2A = 3B and 4B = 5C, then A: C is: a)4:3 b)8:15 c)15:8 d)3:4 15)0.4777 . . . is the recurring decimal for the fraction: a)4777/100000 b)477/100 c)437/1000 **d)43/90** $16)0.8888 \div 0.011$ is equal to: a)8.08 **b)80.8 c)**0.808 d)None of these

· ·	C	/-3 c)5/-8,-7/10, 2/-3				
18)If A is real and $1 + A + A2 + A3 = 40$, then A is equal to: a)-3 b)-1 c)1 d)34						
	19)1 + 3 + 5 + + 3983) / 1992 = ? a)1988 b)1992 c)1990 d)None of these					
becomes a perf		should be added to	$25p^2 + 16q^2$, so t	hat the resulting sum		
21)Choose the a)'0.14' Ans: d)	correct answer 1.0 b) '1.4'	816 1/2= ? c) '1.004'	d) '1.	04',		
22)If the digit will be: '1', '3', 'Even', '	-	of a square natural nu	umber is 6, then the	digit in the tens place		
23)The square is odd.'	no. which contains	6 at units place mayl	oe 16 or 36 in which	at tens place the digit		
	1, then the values of	by 3x+1 leaves a report p and q respectively me' '7/4, 0'		qx2+4px+7 is exactly		
a) Consistent a	25)The equations 2x+3y-7=0 and 10x+15y-35=0 are:', a) Consistent and have unique solution' b) 'Consistent and have infinitely many solutions c) 'inconsistent' d) 'none of these',					
26)If a+b=6, at a) '4' Ans: a)	b) '5'	b is:' c) '6'	d) '7'	e) '9'		
27)Choose the correct answer.', $ X - 5 + 4 > 0$ and $ X2 < 4$. Then x can be:', a)'4' b) '2' c) '0.5' d) 'All of these', Ans: c)						
28)If fx) = sum of all the digits of x, where x is a natural number, then what is the value of $f)+f102)+f103)++f200)?'$ a) '1000' b) '784' c) '999' d) '1001', Ans; d)						
many places yo		son. Once he wrote '+" with " * " to make c) '3'				

30) What is the highest power of 82 contained in 83!-82! ?'



41)A box contains 10 balls numbered 1 through 10. Anuj, Anisha and Amit pick a ball each, one after the other, each time replacing the ball. What is the probability that Anuj picks a ball numbered less than that picked by Anisha, who in turn picks a lesser n',

a)'3/25' Ans: a)	b) '1/6'	c) '4/25'	d) '81/400',
or 6 turning up is		dice are rolled, what is	e probability of any of 1, 2, 3, 4, the probability of getting a sum
a)'5/24' Ans: d)	b) '9/160'	c) '1/30'	d) '7/160',
1 through 10. Th	ne person who picks the		s one card from cards numbered d loses and is out of the game. gain, and', d)'5/24'
44)Which among a) '51/2'	the following is greates b) '111/3'	st: 51/2, 111/3, 1231/6 ?'	,
c)1231/6 Ans: a)	d)All are equ	ıal',	
45)What are the ta)9,6 and 6' Ans: c)	unit"s digits of 369, 686 b) '6, 6 and 6'	4, 4725 respectively ?', c) '3,6 and 4'	d) 'None of these',
46)A = 11 * 22 * a)'6' b) '5 Ans; b)		010. How many zeroes v d) 'None of thes	will be there at the end of A?
	2, then what is the value $8 + 3 * 31/2'$, '27 + 3 * 3	of x2 + 9/x2?', 31/2', 'None of these', ", 4	4, "
48)If $x4 + 1/x4 =$	47, then find the value	of $x3 + 1/x3'$, 0, ",	
49)The product o a)'1' Ans: b)	f two numbers is 2028 a b) '2'	and their H.C.F. is 13. The colors	ne number of such pairs is:', d) '4'