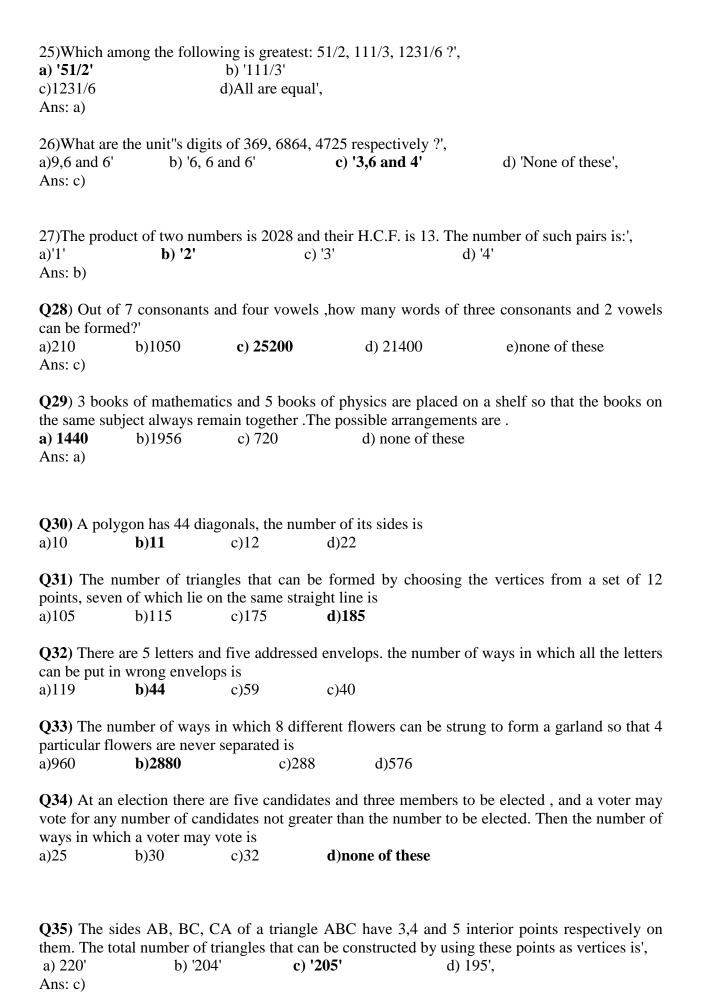


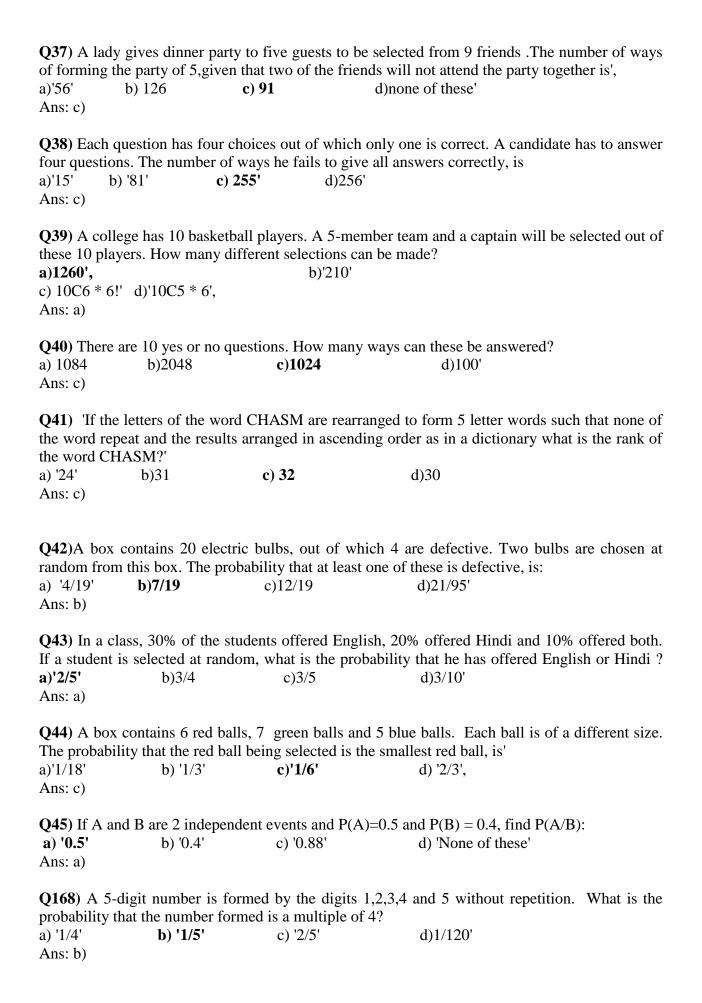
1) If 33 untrained labourers can do a work in 15 days of 12 hr. each, how many trained labourers

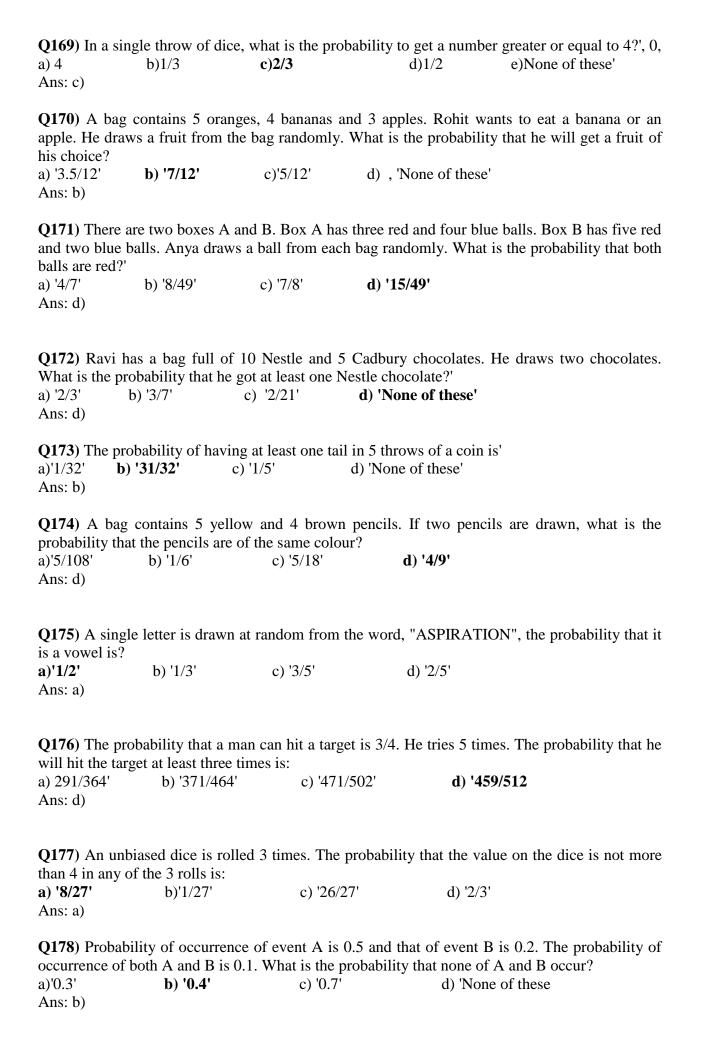
Expl-13) The square no. which contains 6 at units place maybe 16 or 36 in which at tens place the digit is odd.'

15)If $9x^2+3px+6q$ which divisible by $x+1$, then a)'0, $7/4$ '	the values of p an			and qx2+4px+7 is exact	ly
16)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',					
17)If a+b=6, ab=5, the a) '4' b) '5' Ans: a)	e value of a-b is:' c) '6	5'	d) '7'	e) '9'	
18)Pawan is a very confused person. Once he wrote 1+2+3+4+5+6+7+8+9+10 = 100. In how many places you need to change "+" with " * " to make the equality hold good?', a)'2' b) '4' c) '3' d) 'None of these', Ans: c)					
19) What is the highes a) '3' b) '2' Ans: a)	t power of 82 con c) '16		! ?' d) 'None of	these',	
are picked simultaneous box, find the probabil	ously at random a	nd are placed in	_	50-paise coins. Eleven coin coin is now picked from the d) '5/6'	
21)A, B and C are three students who attend the same tutorial classes. If the probability that on a particular day exactly one out of A and B attends the class is 7/10; exactly one out of B and C attends is 4/10; exactly one out of C and A attends is 7/10. a)46/100' b) '63/100' c) '74/100' d) '99/100', Ans: d)					
22)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' b) '1/6' c) '4/25' d) '81/400', Ans: a)					
23)A biased die has a probability of 1/4 of showing a 5, while the probability of any of 1, 2, 3, 4, or 6 turning up is the same . If three such dice are rolled, what is the probability of getting a sum of atleast 14 without getting a 6 on any die? a)'5/24' b) '9/160' c) '1/30' d) '7/160', Ans: d)					
24)A, B, C, D and E play the following game. Each person picks one card from cards numbered 1 through 10. The person who picks the greatest numbered card loses and is out of the game. Now the remaining four return their cards to the pack and draw again, and', a)'3/14' b) '4/17' c) '1/5' d)'5/24'					

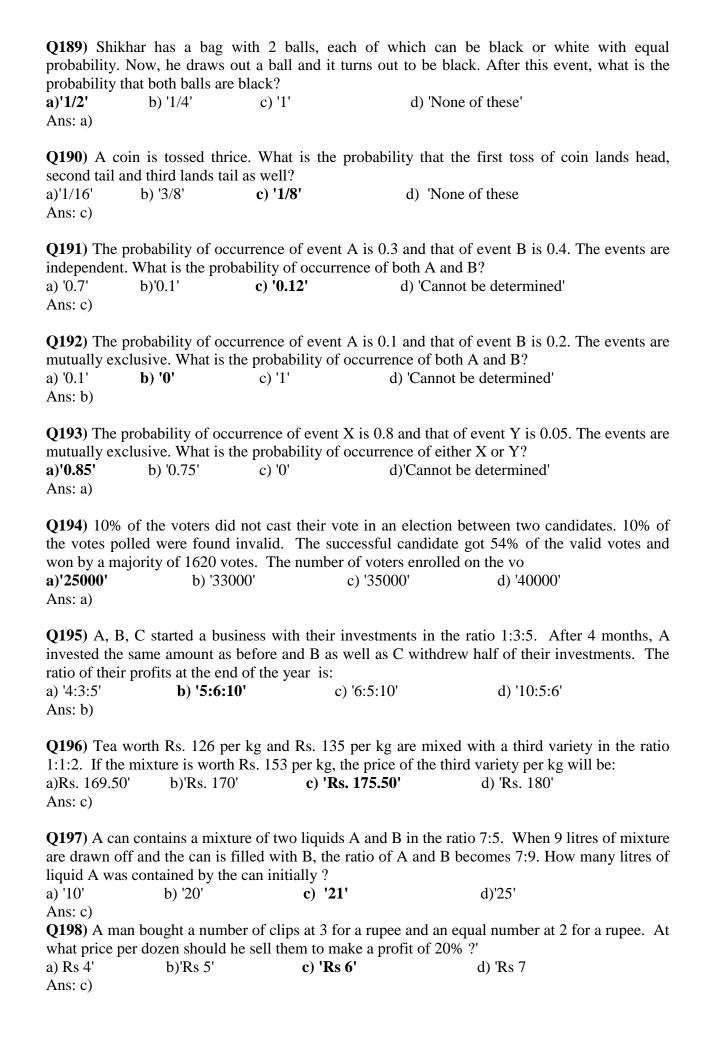
Ans: c)







Q179) An unbiased coin is tossed 5 times. If tail appears on first four tosses, then probability of tail appearing on the fifth toss is:					
a)'1/2' Ans: a)	b) '1'	c) '0'	d) '4/5'		
,					
		ent events. The probable, the probability of occurrence of 1/2'	oility that X and Y occur is 1/12, and the occurrence of X can be: d) '1/10'		
		ed n times. If the p the probability of getti c)'1/1024'	robability of getting 4 tails equals the ng two tails is: d)None of these		
	Q182) Sudhanshu and Pankaj stand in a circle with 10 other persons. If the arrangement of the person is at random, then the probability that there are exactly 3 persons between Sudhanshu and				
a) '9/11' Ans: b)	b)'2/11'	c)'1/11'	d) 'None of these		
Q183) Three nu consecutive is:	mbers are chose	n from 1 to 30 rando	omly. The probability that they are not		
a)'1/145' Ans: b)	b)'144/145	c) '139/140'	d) '1/140'		
Q184) A bag is f the probability th a) '1' Ans: a)			ajeev draws a fruit from the bag. What is d) 'None of these		
		5 times and the outcome i	mes are 1, 2, 3, 4 and 5 respectively. If it 6°		
_	b) '5/6'	c) '1/6'	d) 'None of these		
Choose the co	rrect answer:				
Q186) The probability of drawing an apple from a bag of fruits is 6/25. How many apples should Ravi draw, so that there is a chance he will draw 12 apples on average? a) '25' b) '50' c) '12' d) 'None of these Ans:b)					
	•	a day to be Sunday?') '52/365'	d) 'None of these		
Q188) Rani has a bag with three blue and three yellow coins. She takes out a coin, sees its colour and puts it back in the bag. She does this thrice. What is the probability that she saw all blue					
coins. a)1/8' Ans: a)) '1/2' c)	'1/3'	d) 'None of these		

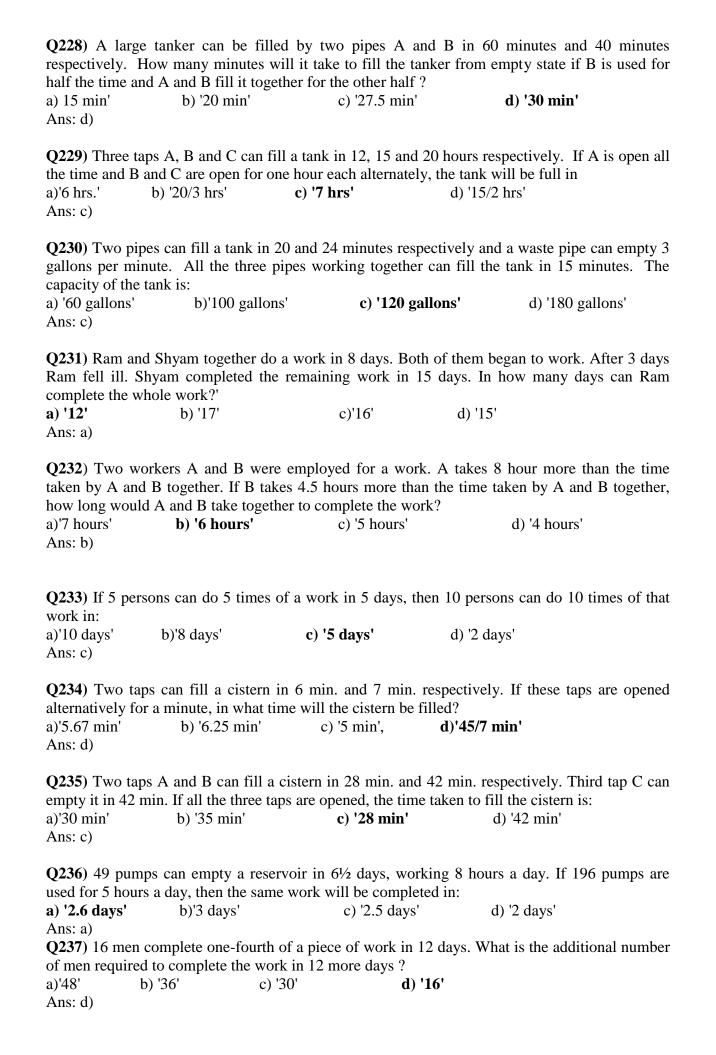


certain rate. H	e mixed the two		17.50 per kg and and uantity at the rate of R purchase the lot		
a) Rs.12.50 Ans: b)	b)'Rs. 13.50'	c)Rs. 14.50'	d) 'Rs. 15.50'	e) 'None of these'	
60 each. It cos expenses of Rs.	sts him Rs. 40 in a 3000 per week in	materials and labour order to operate the	<u>*</u>	<u> </u>	
a)'200' the Ans: a)	5)'250'	c) '300'	d) '400',		
225 for it, the c	ost price of the bio	cycle for A is:	lls 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'		
selling it for Rs	. 340, the cost of t	the article is:	ned by selling an article	e for Rs. 350 than by	
a) Rs. 50' l Ans: c)	o) 'Rs. 160'	c) 'Rs. 200'	d) 'Rs. 225'		
Q203) Consider the following statements: If a sum of money is lent at simple interest, then the br/>1. Money gets doubled in 5 years if the rate of interest is 50/3 %. br/>2. Money gets doubled in 5 years if the rate of interest is 20%. Solve of the rate of interest is 20%. Solve of the rate of interest is 20%. Solve of the rate of interest is 20%. Solve of the rate of interest is 20%.					
a) '1 and 3 are c c) '3 alone is co Ans. b)		b) '2 alone is correct' d) '2 and 3 are correct'			
10% per annum	reckoned half-ye	early is:	mpound interest on Rs.	·	
a)Rs. 2.50' Ans: b)	b) 'Rs. 3'	c), 'Rs. 3.75'	d) 'Rs. 4'	e) 'None of these	
Q205) A sum of money lent at compound interest for 2 years at 20% per annum would fetch Rs. 482 more, if the interest was payable half-yearly than if it was payable annually. The sum is: a) Rs. 10,000 b)'Rs. 20,000' c)'Rs. 40,000' d) 'Rs. 50,000' Ans: b)					
Q206) The sim a) Rs. 1.20' Ans: a)	ple interest on Rs b) 'Rs. 1.60'		the rate of 3 paise per a 40' d) Rs	rupee per month is:', s. 3.60'	
Q207) Choose the correct answer.', 'If the compound interest on a sum for 2 years at 25/2 % per annum is Rs. 510, the simple interest on the same sum at the same rate for the same period of time is:					
a)Rs. 400' Ans: d)	b) 'Rs. 450'	c) 'Rs. 460'	d) 'Rs. 480'		

Q208) 'I started on my bicycle at 7 a.m. to reach a certain place. After going a certain distance, my bicycle went out of order. Consequently, I rested for 35 minutes and came back to my house

walking all the way. I reached my house at 1 p.m. If my cycling s', 0, ", 4, '4.92 km', '13.44 km', '14.375 km', '15.476 km', ", 1, "					
Q209) A bag contains 10-paisa, 20-paisa and 25-paisa coins in the ratio 7:4:3. If the total value is Rs. 90, the number of 25-paisa coins in the bag is: a)'120' b)'160' c) '280' d) '300' Ans: a)					
Q210) Find a whole number such that when one of its digit is erased, the resulting number is equal to one-ninth of the original number. The resulting number is also a multiple of 9. a) '90' b) '83438' c) '25' d) '70847' Ans: c)					
Q211) A ship is moving at a speed of 30 kmph. To know the depth of the ocean beneath it, it sends a radiowave which travels at a speed 200 m/s. The ship receives back the signal after it has moved 500 m. What is the depth of the ocean? a) '4 km' b) '8 km' c) '6 km' d) '12 km Ans: c)					
Q212) In a town the population grows at a simple rate of 10% in a decade and compounds from decade to decade. Find the population at the beginning of the 1970s if the population at the beginning of the 1990s is 3,63,000 people. a) 30,000' b) '3,00,000' c) '30,00,000' d) '3,15,000' Ans: b)					
Q213) In approximately how many years will a certain sum of money triple itself at 22% simple interest? a)'10 years' b) '11 years' c) '9 years' d) '12 years' Ans: c)					
Q214) A man rows a boat at a speed of 5 km/hr in still water. Find the speed of a river if it takes him 1 hr to row a boat to a place 2.4 km away and return back. a)1 km/hr b)6 km/hr c) '3 km/hr' d) '4 km/hr' a)					
Q215) A boat covers 40 km upstream and 90 km downstream in 5 hr. It can also cover 60 km upstream and 60 km downstream in 5 hr. The speed of the water current is', a) '4 km/hr' b) '5 km/hr' c) '20 km/hr' d) '25 km/hr' Ans: b)					
Q216) 'Two champion swimmers start a two-length swimming race at the same time, but from opposite ends of the pool. They swim at constant but different speeds. They first pass at a point 18.5 m from the deep end. Having completed one length, each swimmer take', a) 90 m b) '45 m c) '26.5m' d)Data insufficient Ans: b)					
Q217) A and B start together from the same point on a circular track and walk in the same direction till they both again arrive together at the starting point. A completes one circle in 224 s and B in 364 s. How many times will A have passed B? a) '4' b) '5' c) '6' d) '7' Ans: b)					

Q218) 36 men complete the sar	-	piece of w	ork in 18 day	vs. In how many days will 27 men	
•) '18'	c)22'	d) '24'	e) 'None of these	
Q219) 39 persons can repair a road in 12 days, working 5 hours a day. In how many days will 30 persons, working 6 hours a day, complete the work? a)'10' b) 13' c)14' d)15'					
Ans: b)	,	,		,	
Q220) If 7 spide a) '1' b)'7 Ans: c)		-	en 1 spider wil d)'49'	ll make 1 web in how many days ?	
Q221) Some per will do half of the	-	iece of work	in 12 days. T	wo times the number of such persons	
a)'6 days' b Ans: c))'4 days	c) '3 da	ys	d) '12 days'	
Q222) Ronald and Elan are working on an assignment. Ronald takes 6 hours to type 32 pages on a computer, while Elan takes 5 hours to type 40 pages. How much time will they take, working together on two different computers to type an assignment of 110 pages? a)'7 hours 30 minutes' b)'8 hours', c) '8 hours 15 minutes', d)'8 hours 25 minutes', Ans: c)					
Q223) A and B work together, the a) '5 days' Ans: c)	ney will complet	e the work in		ys, C and A in 20 days. If A, B and C d) '47/3 days'	
		gether in 7 da	ays. A is 7/4 t	times as efficient as B. The same job	
can be done by A a)'28/3 days' Ans: b)		c) '4	-9/4 days'	d) '49/3 days'	
Q225) A and B can complete a work in 15 days and 10 days respectively. They started doing the work together but after 2 days B had to leave and A alone completed the remaining work. The whole work was completed in:					
a) '8 days' Ans: c)	b) '10 days'	c) '12	2 days'	d) '15 days'	
Q226) A, B and C together can complete a piece of work in 10 days. All the three started working at it together and after 4 days A left. Then B and C together completed the work in 10 more days. A alone could complete the work in a)'15 days' b)16 days' c) '25 days' d)'50 days'					
Ans; c)					
		he slower pi		er pipe. If together the two pipes can be able to fill the tank in: d) '192 min',	



•	thrice as long to do a days. A alone can do	•	takes. A and B to	gether can do a piece	
a) 30 days Ans: a)	b) '40 days	e) '50 days'	d) '60 days'	e) 'None of these'	
Q239) A cistern can be filled by two pipes A and B in 10 and 15 hours respectively and is then emptied by a tap in 8 hours. If all the taps are opened, the cistern will be fill in:					
a) '21 hours' Ans: d)	b) '22 hours	c) 23 hours	d) '24 hours'	e) None of these'	
Q240) A locomotive engine, without any wagons br/>attached to it, can go at a speed of 40 km/hr. Its speed is diminished by a quantity that varies proportionally as the square root of the number of wagons attached. With 16 wagons, its speed is 28 km/hr. a) 99' b), '100' c) 120', Ans: b)					