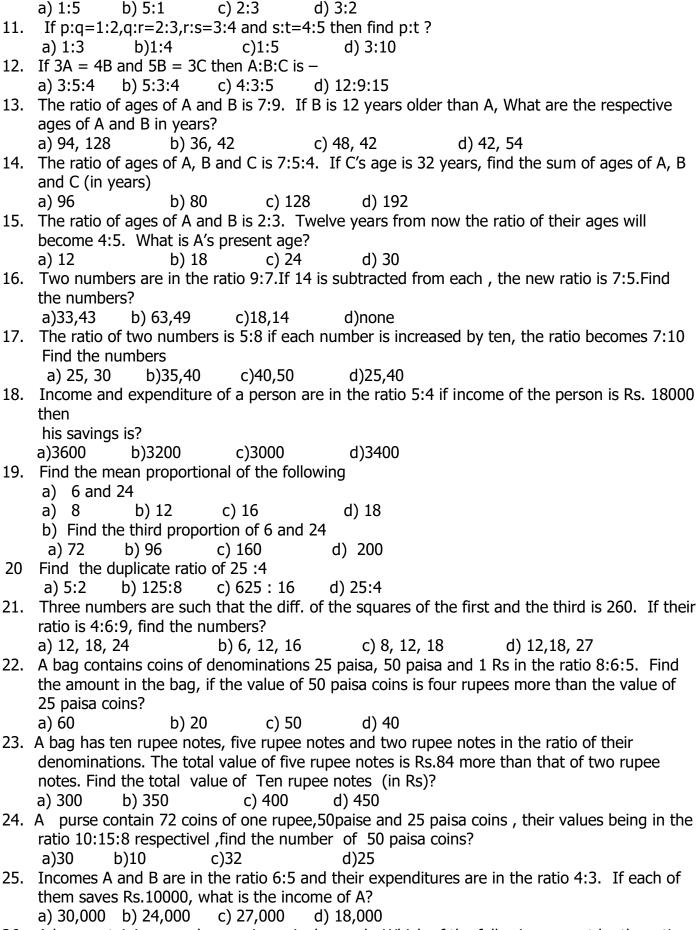
SIMPLE EQUATIONS

1.	5 bags and 7 books together cost Rs. 2350. While 4 books and 10 bags cost Rs. 2200, find the cost of each bag?
	a) 40 b) 80 c) 110 d) 120
2.	Four added to half of one-third of one- sixth of a number is equal to one-twelth of the number. What is the number?
	a) 48 b) 36 c) 72 d) 54
3.	A man's age 20 years hence would be thrice his age 20 years ago. Find his present age?
	a) 20 b) 40 d) 60 d) 30
4.	A man is 5 times as old as his son. In 10 years he will be 4 times as old as his son. Find the son's
	present age?
	a) 30 b) 40 c) 60 d) 150
5.	The age of the father 10 years ago was thrice the age of his son. 10 years hence the father's age
	will be twice that of his son. Find the present age of the father?
	a) 60 b) 70 c) 50 d) 80
6.	A tells B, "when I was half of your present age you were 1/4 th of my present age." If A's present
	age is 36 what is the B's present age?
	a) 18 b) 9 c) 30 d) 27
7.	A tells B, "when I was 1/6 of your present age you were 1/7th of my present age." Find the ratio of
	their present ages:
	a) 49:48 b) 31:29 c) 30:37 d) 8:9
8.	Radha tells Seeta, "I am twice as old as you were when I was as old as you are." Sum of their
	present ages is 91, find Radha's present age?
	a) 26 b) 42 c) 52 d) 36
9.	In the year 2000, age of A was 1/99 of his year of birth. What will be his age in 2008?
	a) 18 b) 20 c) 28 d) 30
10.	Find the number of integer solutions of $x+y = 18$, and $x-y = 7$?
	a) 2 b) 1 c) 0 d) ∞
11.	Find the value of k if the equations $4x + 5y = 32$ and $12x + 15y = 2k$ are not inconsistent?
	a) 18 b) 24 c) 36 d) 48
12.	The sum of the digits of a 2 digit no. is 9. If the digits are reversed, then the no formed exceeds
	the original number by 27. Find the number?
	a) 63 b) 72 c) 36 d) 27
13.	The sum of the digits of a 2 digit no. is 13. If the no is halved, the sum of the digits of the
	resultant no is 11. How many such nos exist?
	a) 1 b) 2 c) 3 d) 4
14.	The sum of the digits of a 2 digit no is 11. If the no is halved the sum of the digits of the resultant
	no is 10. How many such nos exist?
	a) 3 b) 4 c) 5 d) 6
15.	When you reverse the digits of the no 13, the no increases by 18. How many other 2 digit nos
	satisfy this condition?
4.6	a) 7 b) 5 c) 6 d) 8
16.	When the digits of no 41 are interchanged, it decreased by 27. How many other 2 digit nos satisfy
	this condition?
47	a) 6 b) 5 c) 7 d) 8
17.	4p + 6E + 5S = 43; $6P + 9E + 7S = 63$, Then $S = 3$
10	a) 3 b) 4 c) 5 d) 6
18.	1P + 2E + 3S = 17; 3P + 2E + 1S = 19; 1P + 1E + 1S =
10	a) 6 b) 7 c) 8 d) 9
19.	5P + 8E + 11S = 71; $3P + 5E + 7S = 44$, Then $1P + 1E + 1S = 3$, $10 + 10 + 11 + 12 + 13 = 3$, $10 + 10 + 12 + 13 = 3$
20.	a) 10 b) 11 c) 12 d) 13 1M + 5A +7B =84 ; 1M + 7A + 10B = 114; Then = 9M+23A+30B=
۷٠.	a)400 b) 416 c) 426 d) 436
	$a_j = a_j $

21.	In a 4 digit no abcdwith distinct digits $b+c = a+d$, $b+d = 5$ ($a+c$), $a+b+c+d = 18$, what is the sum of all the possible values of b? a) 20 b) 22 c) 24 d) 25
22.	There is tank. It is filed up 1/4th. On adding 1200ltrs of water it becomes 1/3rd full. Find the capacity of the tank?
23.	a) 12000Lts b) 14400Lts c) 15600Lts d) 17800Lts In a tank 1/5 th is filled up. On adding 'x' ltrs of water the tank is 1/4 th filled. On adding another 120 ltrs the tank will be full, then 'x' is -
24.	a) 6 b) 8 c) 10 d) 12 A takes 5 hours more than B to cover a distance of 500 Km. If instead A doubles his speed he would reach the destination $7\frac{1}{2}$ hours before B. Find A's speed? a) 40 kmph b) 50 kmph c) 20 kmph d) 25 kmph
25.	A takes 1 hour less than B to cover a distance of 750 Km. If A halved his speed, he would take 4 hours more than B to cover the same distance. Find A's speed? a) 75 kmph b) 80 kmph c) 20 kmph d) 25 kmph d) 150 kmph
26.	Find the no of solutions of $P+2Q=80$, P,QEZ^+ , $P>Q$? a) 40 b) 30 c) 26 d) 22
27.	Find the no of non negative integral solutions of $x+10y+40z = 87$? a) 2 b) 5 c) 10 d) 15
28.	The sum of 2 numbers is 5 and the product of the two is 14. What is the sum of the squares? a) 3 b) -3 c) -13 d) None of these
29.	There are some 2rs and 5 rs coins in a bag. If the number of 5 rs coins is tripled the amount in the bag is increased by 25%. Which of the following can be the number of 5 rs coins in the bag?
30.	a) 13 b) 20 c) 18 d) 32 A, B and C each had some amount of money. A doubled the amounts with the others. B then doubled the amounts with the others. C then doubled the amounts with the others. At this stage each of them had rs 120. Find the initial amount with B? a) 85 b) 95 c) 105 d) 120
	RATIO PROPORTION AND VARIATION
1.	
	Ratio of 2 numbers is 11: 5 and their sum is 80. Find the product of the numbers a) 1375 b) 1575 c) 1675 d) 550
2.	Ratio of 2 numbers is 11: 5 and their sum is 80. Find the product of the numbers a) 1375 b) 1575 c) 1675 d) 550 Ratio of 2 numbers is 5:2 and their difference is 15. Find the difference of the squares Of the numbers
2.	a) 1375 b) 1575 c) 1675 d) 550 Ratio of 2 numbers is 5:2 and their difference is 15. Find the difference of the squares Of the numbers a) 625 b) 525 c) 725 d) 750 Ratio of 2 numbers is 5:3 and the product of the numbers is 375. Find the sum of the
	a) 1375 b) 1575 c) 1675 d) 550 Ratio of 2 numbers is 5:2 and their difference is 15. Find the difference of the squares Of the numbers a) 625 b) 525 c) 725 d) 750 Ratio of 2 numbers is 5:3 and the product of the numbers is 375. Find the sum of the Squares of the numbers?
	a) 1375 b) 1575 c) 1675 d) 550 Ratio of 2 numbers is 5:2 and their difference is 15. Find the difference of the squares Of the numbers a) 625 b) 525 c) 725 d) 750 Ratio of 2 numbers is 5:3 and the product of the numbers is 375. Find the sum of the Squares of the numbers? a) 850 b) 950 c) 650 d) 1050 If a:b: = 3:2 then what is the value of (4a + 3b)/ (4a – 3b)?
 4. 	a) 1375 b) 1575 c) 1675 d) 550 Ratio of 2 numbers is 5:2 and their difference is 15. Find the difference of the squares Of the numbers a) 625 b) 525 c) 725 d) 750 Ratio of 2 numbers is 5:3 and the product of the numbers is 375. Find the sum of the Squares of the numbers? a) 850 b) 950 c) 650 d) 1050 If a:b: = 3:2 then what is the value of $(4a + 3b)/(4a - 3b)$? a) 1/3 b) 3 c) 2 d) $1/2$
3.	a) 1375 b) 1575 c) 1675 d) 550 Ratio of 2 numbers is 5:2 and their difference is 15. Find the difference of the squares Of the numbers a) 625 b) 525 c) 725 d) 750 Ratio of 2 numbers is 5:3 and the product of the numbers is 375. Find the sum of the Squares of the numbers? a) 850 b) 950 c) 650 d) 1050 If a:b: = 3:2 then what is the value of $(4a + 3b)/(4a - 3b)$? a) 1/3 b) 3 c) 2 d) $\frac{1}{2}$ Divide 1300 in the ratio 3:2:8?
 4. 	a) 1375 b) 1575 c) 1675 d) 550 Ratio of 2 numbers is 5:2 and their difference is 15. Find the difference of the squares Of the numbers a) 625 b) 525 c) 725 d) 750 Ratio of 2 numbers is 5:3 and the product of the numbers is 375. Find the sum of the Squares of the numbers? a) 850 b) 950 c) 650 d) 1050 If a:b: = 3:2 then what is the value of $(4a + 3b)/(4a - 3b)$? a) 1/3 b) 3 c) 2 d) $\frac{1}{2}$ Divide 1300 in the ratio 3:2:8? a) 300,200,800 b) 400,200,600 c) 300,500,800 d) None Divide 2600 in the ratio $\frac{1}{2}$: $\frac{1}{4}$?
3.4.56.	a) 1375 b) 1575 c) 1675 d) 550 Ratio of 2 numbers is 5:2 and their difference is 15. Find the difference of the squares Of the numbers a) 625 b) 525 c) 725 d) 750 Ratio of 2 numbers is 5:3 and the product of the numbers is 375. Find the sum of the Squares of the numbers? a) 850 b) 950 c) 650 d) 1050 If a:b: = 3:2 then what is the value of $(4a + 3b)/(4a - 3b)$? a) 1/3 b) 3 c) 2 d) $\frac{1}{2}$ Divide 1300 in the ratio 3:2:8? a) 300,200,800 b) 400,200,600 c) 300,500,800 d) None Divide 2600 in the ratio $\frac{1}{2}$: 1/3: $\frac{1}{4}$? a) 600,400,300 b) 1200,800,600 c) 1200,500,1100 d) None
3.4.5	a) 1375 b) 1575 c) 1675 d) 550 Ratio of 2 numbers is 5:2 and their difference is 15. Find the difference of the squares Of the numbers a) 625 b) 525 c) 725 d) 750 Ratio of 2 numbers is 5:3 and the product of the numbers is 375. Find the sum of the Squares of the numbers? a) 850 b) 950 c) 650 d) 1050 If a:b: = 3:2 then what is the value of $(4a + 3b)/(4a - 3b)$? a) 1/3 b) 3 c) 2 d) $\frac{1}{2}$ Divide 1300 in the ratio 3:2:8? a) 300,200,800 b) 400,200,600 c) 300,500,800 d) None Divide 2600 in the ratio $\frac{1}{2}$: $\frac{1}{4}$?
3.4.56.	a) 1375 b) 1575 c) 1675 d) 550 Ratio of 2 numbers is 5:2 and their difference is 15. Find the difference of the squares Of the numbers a) 625 b) 525 c) 725 d) 750 Ratio of 2 numbers is 5:3 and the product of the numbers is 375. Find the sum of the Squares of the numbers? a) 850 b) 950 c) 650 d) 1050 If a:b: = 3:2 then what is the value of $(4a + 3b)/(4a - 3b)$? a) 1/3 b) 3 c) 2 d) $1/2$ Divide 1300 in the ratio 3:2:8? a) 300,200,800 b) 400,200,600 c) 300,500,800 d) None Divide 2600 in the ratio $1/2$: $1/3$: $1/4$? a) 600,400,300 b) 1200,800,600 c) 1200,500,1100 d) None 3900 is divided in to 3 parts a, b, c such that $1/2$ d) $1/2$ none If a:b = 3:4, b:c = 5:2 then a:b:c is -
3.4.56.7.	a) 1375 b) 1575 c) 1675 d) 550 Ratio of 2 numbers is 5:2 and their difference is 15. Find the difference of the squares Of the numbers a) 625 b) 525 c) 725 d) 750 Ratio of 2 numbers is 5:3 and the product of the numbers is 375. Find the sum of the Squares of the numbers? a) 850 b) 950 c) 650 d) 1050 If a:b: = 3:2 then what is the value of $(4a + 3b)/(4a - 3b)$? a) 1/3 b) 3 c) 2 d) $\frac{1}{2}$ Divide 1300 in the ratio 3:2:8? a) 300,200,800 b) 400,200,600 c) 300,500,800 d) None Divide 2600 in the ratio $\frac{1}{2}$: $\frac{1}{3}$: $\frac{1}{4}$? a) 600,400,300 b) 1200,800,600 c) 1200,500,1100 d) None 3900 is divided in to 3 parts a, b, c such that $4a=3b=2c$. Find a a) 1200 b) 900 c) 1800 d) none



26. A box containing one dozen mirrors is dropped. Which of the following cannot be the ratio of the broken mirrors to unbroken mirrors?

	a) 1:1 b) 2:1 c) 5:1 d)	3:2
27.	7. In a class of 30 students, which of the fa	
	a)2:3 b)1:5 c)4:5	d)2:1
28.		are of its diagonal. The area of a square is 32 sq.
	· · · · · · · · · · · · · · · · · · ·	ne length of the diagonal when area is 162 sq.
	units?	,
	a) 12 b) 14 c) 16 d)	18
29.	9. 'x' varies directly as y^2 . When $y = 18$, $x = 1$	= 4, find x when y $= 12$?
	a) 4/9 b) 13/9 c) 16/9	d) 20/9
30.		Km. The distance it falls through varies directly with
		64 km in 4 sec. Find the distance it covers in the
	5 th sec.?	
	a) 24 m b) 36 m c) 48 m d)	
31.		e of its side. If 3 cubes of sides 6cm, 8cm, and 10
		n a 4 th cube find the side of the 4 th cube?
	a) 6 cm b) 10 cm c) 24 cm d)	
32.		onstant and inversely proportional to the square of
		ance when $A = 18$, $B = 25$ and $C = 10$, find A if C
	= 9 and B = 18?	J) 12
22	a) 24 b) 16 c) 32	· · · · · · · · · · · · · · · · · · ·
<i>33</i> .		ersely with C. When A is 18 units, B is 8 units and
	C is 16 units. Find the value of A When E	
24	a) 32 b) 16 c) 8	,
34.		th the square of its weight. A diamond broke into 3 24:9. The loss caused due to the breakage were
	25.44 lacks. Find the initial value of the	
	a) 82.25 Lacks b) 72.25 Lacks c) 5	
35	•	pieces whose weights are in the ratio 2:3:5. The
55.		nal to the cube of its weight. If the original
	diamond is worth Rs.100000, what is its	
	a) 12000 b) 16000 c) 24000 d)	
	, , ,	
PE	PERCENTAGES & PROFIT LOS	S
		_
1.	. If 25% of (280) is equal to 7% of (x), then	v ic
1.		800
2.	, , , , , , , , , , , , , , , , , , , ,	
	· · ·	10%
3.	, , , , , , , , , , , , , , , , , , , ,	
	a) 150% b) 125% c) 110%	d) 75%
4.		
_	a) 33 1/3% b) 66 2/3% c) 50%	d) 80%
5.	<u> </u>	0/ -5/50) -1/400/ -5/45/
6.	a) 20% of (80) b) 30% of (60) c) 35 . A number when decreased by 20% become	
0.	a) 160 b) 150 c) 170	d) 140
7.	, , , , , , , , , , , , , , , , , , , ,	,
	a) 200 b) 300 c) 400	d) 320
8.	, , , , , , , , , , , , , , , , , , , ,	cessively by 5% and 2%. If the original price was 1000,
	what is it now?	
	a) 930 b) 931 c) 961	d) 981

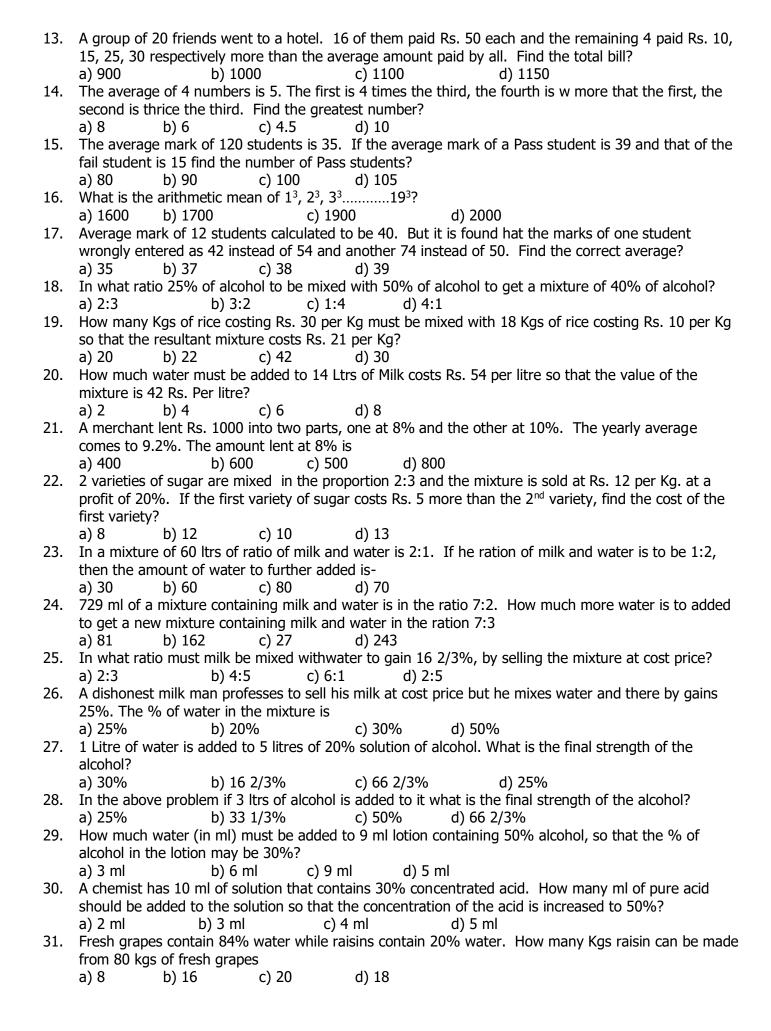
9.	The price of an article is decreased by 10%. Later the new price is increased by 10%. If the
	latest price is 990, the original price is –
	a) 990 b) 1000 c) 1010 d) 1020
10.	If A's income is 20% more than that of B, then by what % is B's income less than that of A?
	a) 25% b) 20% c) 16 2/3% d) 50%
11.	The price of an ice cream is decreased by 20%, then by what % should the consumption be
	increased in order to maintain a constant expenditure?
	a) 20% b) 50% c) 25% d) 40%
12.	The price of sugar increased by 50%, then by what % does the consumption of sugar be reduced
	so that the total expenditure on sugar increased by 20%?
	a) 20% b) 25% c) 40% d) 10%
13.	The price of tea increased by 20%, then by what % should the consumption be decreased so that
	the total expenditure is decreased by 10%?
	a) 20% b) 25% c) 40% d) 10%
14.	The length of a rectangle increased by 25% and the breadth decreased by 10%. What is the
	increased % in its area?
	a) 10% b) 35% c) 15% d) 12.5%
15.	A spends 60% of his salary and saves the remaining. His salary is increased by 25% and he
	increased his expenditure by 20%. By what % does his saving increase?
	a) 30% b) 32.5% c) 35% d) 40%
16.	In an examination 65% of the students passed. If the number of failures is 420, find the total
	number of students?
	a) 1000 b) 900 c) 1200 d) 1500
17.	In an election between 2 candidates, a candidate secured 62% of the votes and is elected by a
	majority of 144 votes. Find the total number of votes polled?
4.0	a) 400 b) 600 c) 800 d) 1000
18.	The value of a machine depreciates 10% annually .If its present value is Rs.4000, its value after 2 yrs
10	a) 3200 b) 2000 c) 3000 d) 3240
19.	In a test P got 40% of the maximum marks and got 10 marks more than the pass mark. Q got 30% of maximum marks and failed by 10 marks. Find the pass mark?
	a) 60 b) 70 c) 80 d) 90
20.	In a group of persons 70% of the persons are male and 30% of the persons are married. If 2/7 of
20.	the males are married, what fraction of the females is single?
	·
21.	a) 2/7 b) 1/3 c) 3/7 d) 2/31. By selling an article for Rs.450 a man loses 25%. At what price should he sell to gain 25%?
21.	a) 450 b) 750 c) 1050 d) 800
22.	The selling price of 10 articles is equal to cost price of 11 articles. Find the gain %?
۷۷.	a) 10% b) 30% c) 25% d) 20%
23.	If an article is sold at a gain of 10% instead of at a loss of 10% then the seller gets Rs.600 more.
25.	Find the cost price?
	a) 1000 b) 2000 c) 3000 d) 4000
24.	A sells a computer to B at a profit of 25% and B sells to C at a profit of 30%. If C paid Rs.13000 for
۷.,	it, find A's CP?
	a) 8000 b) 10000 c) 12000 d) 11000
25.	A trader calculates his profit on the SP and declared it as 20%. Find the actual profit %?
25.	a) 20% b) 25% c) 50% d) 40%
26.	A trader gives 800 grams for every 1 kg that he sells. Find his gain %?
_0.	a) 20% b) 25% c) 40% d) 50%
27.	A trader sells his goods at 20% profit and gives 800 grams for every Kg. Find his overall gain %?
	a) 45% b) 50% c) 80% d) 40%
28.	Find a single discount equivalent to a discount series 10%, 20%?
	a) 30% b) 28% c) 10% d) 25%
29.	Find a single discount equivalent to a discount series 20%, 30% 40%?
	a) 60% b) 56.4% c) 66.4% d) 66.8%
30.	A trader marks his goods 20% higher than the cost price and allows a discount of 5%. Find profit %

a) 114% b) 113% c) 13% d) 14%

SIMPLE INTEREST & COMPOUND INTEREST

1.	Find the SI on Rs. 5000 for 2 years at 12% p.a.?
	a) 1000 b) 1200 c) 1400 d) 2000
2.	What sum will yield an interest of Rs. 306 in 6 years at 5% p.a.?
	a) 840 b) 765 c) 1210 d) 1020
3.	If Rs. 2000 amounts to Rs. 2200 in 2 years under SI, the R is?
	a) 5% b) 10% c) 8% d) 15%
4.	A sum of money at SI amounts to Rs. 560 in 3 years at 4% p.a. Find the Sum?
	a) 400 b) 500 c) 600 d) 450
5.	An amount of Rs, 2400 is due after 6 years under SI at 10% p.a. What is its present value?
	a) 1500 b) 1600 c) 1800 d) 2000
6.	Find the amount obtained by investing Rs. 24000 at 18% p.a. SI for 5 years?
	a) 21600 b) 44000 c) 48000 d) 45600
7.	Find the rate % p.a., if a sum double itself in 12 years at SI?
	a) 6¼% b) 8 1/3% c) 10% d) 9 1/11%
8.	In how many years will a sum of money became 16 times itself at 30% p.a.,SI?
	a) 25 b) 40 c) 30 d) 50
9.	At what rate of interest under SI, will a sum of money becomes 2.35 times itself in 9 years?
	a) 10% b) 15% c) 8% d) 12%
10.	If a certain sum doubles in 3 years under SI, in how many years would it become 5 times itself at
	same R%?
	a) 12 b) 15 c) 9 d) 18
11.	What annual installment will discharge a debt of Rs. 4600 due in 4 years at 10% SI?
	A) 800 b) 1000 c) 1250 d) 1175
12.	What annual installment will discharge a debt of Rs. 1035 due in 3 years at 15% SI?
	a) 300 b) 400 c) 350 d) 325
13.	Find the CI on Rs. 3000 at 10% p.a. for 3 years?
	a) 900 b) 933 c) 963 d) 993
14.	Find the CI on Rs. 1000 for 2 years at 8% p.a.?
	a) 160 b) 166.4 c) 168.2 d) 170
15.	P = 6000, $R = 10%$ Find 4 th year CI?
	a) 700 b) 698.60 c) 728.60 d) 798.60
16.	Find the amount obtained by investing Rs.20,000 at 10% p.a. CI for 1 year, compounded annually?
	a) 22000 b) 24000 c) 26000 d) 24200
17.	a a a a a a. a a a a a a a a a a a a a a a
	a) 54000 b) 80000 c) 75000 d) 60750
18.	Find the CI on Rs. 80000 at 40% p.a. for 9 months, compounded quarterly?
	a) 25480 b) 26480 c) 25680 d) 26280
19.	Ram invested Rs. 50,000 for 3 years CI at the rates of 8%, 10% and 12% respectively for the 1 st , 2 ^{nc}
	& 3 rd year. Find the interest earned by him?
	a) 14528 b) 15528 c) 16528 d) 17528
20.	A sum amounts to Rs. 14400 in 2 years at 20% p.a. CI. Find the sum?
	a) 9000 b) 10000 c) 10200 d) 10400
21.	A sum of money triples at CI in 7 ears. In how many years will it become 27 times itself?
22	a) 14 b) 21 c) 28 d) 35
22.	A sum becomes 3 times itself at CI in 8 years. In how may years will the sum become 81 times itself?
22	a) 30 b) 32 c) 34 d) 36
23.	Find the difference between the CI and SI on Rsa. 500 at 10% p.a. for 2 years?
24	a) 50 b) 30 c) 10 d) 5
24.	Find the difference between the CI and SI on Rs. 25000 for 3 years at 20% p.a.?
	a) 2200 b) 3200 c) 3700 d) 4200

25.	The SI and CI on a sum for 2 years are Rs. 800 and Rs. 864 respectively. Find the sum and rate%
	p.a.? a) 3600, 8% b) 4000, 16% c) 2500, 16% d) 5000, 12%
26.	The SI and CI on a sum for w years are Rs. 40 and Rs. 41 respectively. Find the sum and rate %
	p.a.?
27	a) 200, 10% b) 400, 5% c) 500, 5% d) 400, 8%
2/.	A man borrowed Rs. 10000 at 10% CI. He repaid Rs. 5000 at the end of 1 st year. What amount
	shall he repay at the end of 2 nd year to clear his loan? a) 6000 b) 6600 c) 7200 d) 7600
28.	A man borrowed Rs. 15000 at 10%. He repaid a certain amount at the end of the 1 st year. At the
	end of the 2 nd year he paid Rs. 7700 and cleared his loan. What amount did he repay at the end of
	1 st year?
	a) 9000 b) 9500 c) 10000 d) 9200
29.	·
	amount paid in each installment? a) 23200 b) 23400 c) 24000 d) 24200
30.	A sum of Rs.550 was taken as a loan. This is to be repaid in 2 equal annual installments. If R =
	20% CI, find the value of each installment?
	a) 300 b) 340 c) 360 d) 400
	AVEDACES 9 MIVILIDES
	AVERAGES & MIXTURES
1.	Find the average of odd numbers up to 100?
	a) 50 b) 100 c) 75 d) 48
2.	The average of 5 successive numbers is 45 then the first number is -
_	a) 40 b) 43 c) 44 d) 42
3.	Find the value of x, if the average of 17, 26 and x is 22?
4.	a) 18 b) 22 c) 1 d) 23 The average of 8 numbers is 21. If each number is multiplied by 8, then what is the average of new
١.	set of numbers?
	a) 29 b) 168 c) 166 d) 13
5.	The average age of a group of 4 men whose ages are in the ration 4:5:6:7 is 44 years. What is the
	age of the eldest person in this group?
c	a) 50 b) 48 c) 42 d) 56
6.	Out of 4 numbers, the average of 1 st 3 is 15 and that of the last 3 is 16. If the first number is 16, what is the last number?
	a) 18 b) 19 c) 20 d) 17
7.	The average height of 30 girls is 160cm and the average of another 10 girls is 156 cm. Find the
	average height of the whole?
_	a) 157 cm b) 158cm c) 159 cm d) 156cm
8.	The average mark of 2 classes A and B is 32 and 42 respectively. If the number of the students are
	in the ratio 2:3 find the average of both the classes put together? a) 35 b) 38 c) 39 d) 40
9.	The average of 20 results is 15 and the average of first 5 is 12. What is the average of the rest?
٥.	a) 16 b) 17 c) 18 d) 19
10.	The average age of class of 40 boys is 16.95 years. But with the admission of a new boy the
	average age increases to 17 years. Find the age of the new boy?
	a) 18 b) 19 c) 20 d) 21
11.	The average age of a class is 20 years. 12 new students with an average age of 22 years join the
	class and there by increasing the average age by 1 year. Find the original strength of the class? a) 10 b) 12 c) 14 d) 16
12.	In a shopping mnall with a staff of 5 members the average age is 45 years. After 5 years a new staff
= = -	joined them and the average age is again 45 years. What is the age of the new staff?
	a) 20 b) 30 c) 25 d) 50



32.	In fresh grapes 80% of weight is water while in dry grapes only 50% of the weight is water. How many Kgs of dry grapes can be obtained from 20 Kgs of fresh grapes? a) 4 b) 8 c) 12 d) 10	1
33.	A tank is filled with water and oil in the proportion 5:3. When 16 gallons of the mixture is drawn and the tank is filled with 16 gallons of oil and the proportion becomes 3:5. How many gallons do the tank contains?	
	a) 20 Ltrs b) 40 Ltrs c) 60 Ltrs d) 30 Ltrs	
34.	In grade 1 gold ornament gold and silver are in the ratio 7:2 and in the grade w it is 13:3. To for grade 3, grade 1 & 2 are melted in the ration 3:4. Find the ration of gold and silver in grade 3 go ornament?	
	a) 31:14 b) 67:17 c) 13:2 d) 51:53	
35.	A container contains 80 Kgs of milk. From this 8 kgs of milk was taken out and replaced by water This process was further repeated 2 times. How much milk is now contained by the container? a) 55 b) 56.34 c) 58.34 d) 60	•