Assignment -4 Section - A &1 The average of 5 terms is 50. If the first 4 terms are 45, 142, 119 and 84, what will be the last of 22 Atrain travelling at 60 km/h crasses a man in 8 secands what is the length of the train? 23 A truck goes from plaryana to Bangalore with an average skeed of 60 km/hr. The journey Takes 30 hrs. It returns from Bangalore to plaryana on the sam road with an average speed of 40 km/hr. What we the average speed of the truck during the roundary as 24 The average monthly income of Pando is ₹5050. The average income of & and R is ₹6250 and the average monthly income of Pand R is ₹5200. The monthly income of P is 8.5 The average weight of 16 boys in a class is 50.25 kg and that of the remaining 8 boys is 45.15 kg. Find the average weights of all the boys in the class &6 If the number of students passing an examination be considered a criteria for comparison of difficulty level of two examinations, which of the following

	Page
	statements is true in this cantest?
87	How many students are there in class 1x in the school d)
88	which section has the maximum pais percentage in at least one of the two examinations?
g9	which section has the maximum success rate in annual examination ?
\$10	which section has the minimum failure rate in annual examination
40,00	Section-B
81	Alfred buys an old scooler for \$ 4700 and spends \$ 800 on its irepairs. If he sells the scooler for the \$ 5800, his gain perent is
- JP- /	Jotal cost brise = 4700 + 800 = 5500 Selling brise = 5800 Pirople = 5800 - 5500 = 300
	$\frac{\text{profit } 1.2}{5500} = \frac{300 \times 100}{11} = \frac{50}{11} = \frac{5.1}{11}$
	b:> 5 5 1/

82 The cost price of 20 articles is the same as the selling price of 20 articles. If the profit is 25%, then the value of 20 is

Let C.P. of varle particle be ₹1.

C.P. of x articles = ₹1. S.P. of n articles = 720 Profit = ₹ (20-20) V 20-20 x 100 = 25 => 2000 - 1002 = 252 1252 = 2000 W = 16 b.> 16 &13 The average temperature of Wednesday Thursday, and Firiday is 40°C. The average of thursday, friday and saturday is 41°C. It temperature on saturday is 42°C, what was the temperature on widnesday W+ T+F, 40°C; T+F+S=41'C W+T+F=120 T+F+42=123TP+F= 81 put i in ii W+81 +=120 a> 39°c

g14_	The average of first five multiples of 9 is
	9+18+27+36+45 - 135
	5
	<b>5 27</b>
, r <sub>m</sub>	b·> = 27
100	La principa de la companya della companya della companya de la companya della com
	Section - C
81	A grocer purchased 80 kg of sugar at ₹ 13:50 perkg and mixed it with 120 kg sugar at ₹ 16 per kg BAt what rate should be sell the mixture to
9	and mind it with 12 dkg swar at \$ 16 per kg
	mAt what sate should be suff the markeye to
	2214 161
	1 10 1 10 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
	cost of 80 kg sugar at ₹16/kg = ₹1080  cost of 120 kg sugar at ₹16/kg = ₹1920
- <del> </del>	Jotal C.P. = ₹3000
	P
-	Profit > 16 × 3000 = ₹ 480
-	
-	S.P C.P. + projet
	3.P = C.P + proprit = 3000 + 480 = ₹3480
	S.P. pur kg = 348\$ = ₹17.40/kg
	200
	C> ₹17.40 kg
(4)	C:> ₹17.40   kg

22	A sella an antigla to Builty a proprit of 10%.
J	sells the article back to and attailed or lain
	A sells an article to B with a profit of 10%. B sells the article back to a A at a loss of 10%. In this transaction:
=	1st C.P was 100 hours
	A sall astill to Bat 10% bealit
	CP 1 0 5 1 00 + 1011 0 100 = 110
	A sells article to Bat 10% profit  CP for B = 100 + 10% of 100 = 110
	Now, CP for A this dime = 110-10:10110-99  A makes projet = 110-99=11
	Now, CP for A this time = 110-101.0/110-99
ALL STATE	A makes projet = 110-99=11
	be & stranger bearing then to birran in the
2 1 N	1. profit for A = 11 × 100 - 111/.
<u> </u>	1. profit for A = 11 × 100 = 111.
	the state of the s
	b.) A makes a projet of 11%.
	Section-D
81	The average monthly income of P and g is \$ 5050 The average monthly income of g and R is \$6250 and the average monthly income of P and R is \$520 The monthly income of P is
	The average monthly income of & and R is \$6250
	and the average monthly income of Pand R is \$500
	The monthly Income of Pin
	P+8 = 5050 > P+g=10100
	1 2
	8+R=6250 => 8+R=12500
	2 et maria de
	P+8 = 10100
	$\frac{10180}{1000} = \frac{10100}{1000}$ $\frac{10180}{1000} = \frac{10100}{1000}$ $\frac{10180}{1000} = \frac{10100}{1000}$
	P-R= -2400
	—(i)
	P+R = 5200 => P+R= 10400 -(11)
	2

	FREEMIND
	Date
-	Page ————
	brown (i) G. (ii)
	from (i) Gy (ii)
	2 P = 8000
	2 P = 8000 P = 4000
	b.> 4000
02	A man contro 3 equal distances with speed
-9-	5 km & 10 km/h and 15 km/h. Then find its
	2 w 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
	A man covers 3 equal distances with speed 5 km/h, 10 km/h and 15 km/h. Then find its average speed
	Since the distances are equal, we can
	Since the distances are equal, we can take the average directly.
	: 5+10+15 - 30 = 10 km/h
	5+10+15 - 30 = 10 km/h
	c.> 10 km/h