	Page No.: Date: YOUVA
	Assignment No=2
	·
	Topic = Profit & loss, percentage.
	·
	o who is it to have to all of the
Q.1	Joan article is sold at a lars of 25% of the
	selling price is Re450, find cost price.
>	Let C.p =100,
7	then Sp = 75
	But real s.p is 450
	100 75
	2 > 450
	150
	$\alpha = \frac{150 \times 100}{750}$
	3
	N =150×4
	d -600
	© C.P = 600
	Ams = C
2	Aperson bought an item For Rg. 1200f sold it For Rs. 1440, what is the profit percentage?
	RS.1440, what is the profit percentage?
>	CP = 1200 SP = 1440
	· ·
	P-CP+SP X100
	=1200-1440 1200
	200
	= 24020 +2
	mme - 201. Anc=[C]

Q.3] If the selling price of an item is Ro 960 d the cost price is Ro800. What is profit percently. > SP = 960 CP = 800

P = 5.P - CP ×100

= 960-800 ×100

=160

=20).

Ams 2 b

a. 4. A shop keeper sells a fand ps 1200 with a loss of 201. And cost price?

> SP: 1200

L= 20.1.

L.1. = CP-SP ×100

20 = x-1200 x100

 -200×100

x = 5x-6000

4x = 6000

x = 6000

92 > 1500

Ans = b

	Page No Unite YOUYA
0.5	If the cost price of an article is RS 400 & it is sold for RS 480 what is the profit percentage?
	CP = 400 SP = 480
7	P = 5P-CP ×100
	7 480 -400 ×100
	7 80 X100
	P = 20 Ans = D
Q. 6	A trader gives two successive discounts of 201. & 101. Find the net discount percentage.
7	s(1) 1. = 201. + 101. + 2 s 1. = 321. Ans = [C]
Q·7	A men sold a shirt for Rs 800 after giving 20%. discound, Find the market price. Sp = 800, D = 20%.
	D = MP-SP, X100
	20 = M. Pot- 800 X106
	202 = 1002-8000
	X = 8000

Ansalb

d= 1000

Page No.:	
Date	YOU
Date:	

Q.8 A watch is sold for R 1800 with a 25% profit. Rind cost price.

> s.p=1800, p=25.

 \rightarrow

P = CP - SP MOO

25 = x - 1800 ×100

25x = -100x +180000

X = 1400

C.P = 1400

A shopkeeper mants on article at Rs. 1500 & allows 10%. discount find the selling price

Mp = 1500 , D = 10./.

SP = 90% 1500

 $=90\times15$

Q.10 A merchant bygs to pens for RS 150 & sells them for \$200. what is his profit percentage?

e.p = 150, sp = 200

Y

P = SP-CP X100

= 200-156 × 100

3

P=33.331.

makes a profit of 201. what is the markup percentage

D=15%. P=20%. MP=8

CP = 1000 then SP = 120 let SP = M-P-151. dMP

= 85/MP

MP= 126 ×100

Mp= 141/18

Mps. = (141.18 -100) /100)x100

Mp. = 41.18.1.

Q.12 Atable is sold for PS 2250 at 10%. profit. what is cost price ?. SP = 2280. P - 10./. Sp = C.px(1+0.10) 2250 = CP (1.10. CP = 2250 CP - 2045.40 Ams = [C Q.13 It a shopkeeper wants a profit of 25% on an item that castes 800. What should be stelling price P = 25./. CP = 800 · P = CP-SP XLOO 25 = 800-50 X XLOO 25x = -800xx 8000 N= 25 × 800 SP = CP AM = 800 +200 SP = 1000 Ans [b

М	T	W	T	F	S	
Page	No:		YOUVA			
Date:					10	0 1/1

Q.14 A dealer makes a profit of 12% after allowing a 51. discount find the marked price of article whose cost price is 400

P= 121, D=51 CP =400

7

SP = 112 1.400

SP = 448

DI. = MP-SP X100

5 = x-448 ×100

5x = 100x -444800

952 = 44800

x = 44800

2=411.58

Q15 A book is bought for R8 480 & sold for R8 576

what is profit percentage?

C.P = 480 | SP = 576

P = SP-SP X100

= 576-480 ×100

P = 20%.

Ams = [C]

Page !	Na		
			YOU
Date:			

Q.16 If a profit of ROSO is made on an curticle.
whose cost price is PS 500, what is profit;

C.P = 500. P = 50.

7

SP = CP +P = 500 +50 = 550.

P1- = 50 × 100

Ans = [C']

Q.17 A shapkeeper self a cycle at 15.1. profit of the selling proice is R\$ 2300. And the cost proice.

P=15, Sp=2300.

P=SP-CP XLOO

15x = (2300 -2)x100.

3x - (2300 -x) 20.

23 % = 46000

2 - 4506

2=2000.

Ams = b

Q.18 The cost price of article is Rs 750 fit is sold at Rs goo what is gain percentage? > cp = 750 sp = 900 P = 150 ×100 P. = 20% Ans = C Q.19 Aman sells an item at 201. Loss. If the SP P640 find cost price 2 L=201. SP=640 7 L= x-640 x00 20x = 100% -6400 80x = 6400 n = 6400% 80 2=800 Ans = [C Q. 20 A tradersell probile for to 9600 at profit 20). Find cost pice 2 SP=9600 P=201 P = 9600 -X X100 20x = 98000 - 100x 2 = 9000/80 Je = 8000 Ams = b

Page No		
Date.		YOU

Q. 213 A shopkeeper sells an item for ps 500 at 20% profit what was the cost price?

SP=500 P=20%.

P=500-X ×100 1.

20x = 50000 - 100x

1200 = 50000

2 = 50000'

x-416.67

A man buys In articles for Rs. 1500 each. Hesels 0.22 one of a 20%. profit & other at lov. class. Find his met profit/ closs.

> Sp= 1201. 1500 = |800

7

sp = go). 1500

= 1350

Total . 0 = 3000.

total sp - 3150

W. /p1, = 150 ×100

P1. = 5% prohit (

Ans = b

М	T	W	T	F		S
Page No.:						
Date:				Y0		UVA

Q 23	Atrader	sells.	an	adicle	d Rs.	1250	with	a loss
	of 12%.	Find	the	cost	posce	3		. 4

a. 24 Find the profit percent examed after selling an article at doubled mate for half quantity

2150X2

Pr/ = 2001/1

0.25 Anumber is multiplied by 20% of sitself the sum is then doubled. If the final value is 490 , find the number.

-> Let n be number

$$m * (m*20) = 0.2m^2$$

$$2(0.2n^2) = 490$$

a 26 An article is sold at 20%. less than its cost price. If the selling astroso supees of the selling Cost is 5% of the selling proice, find the lose.

Ly. = 201/1

7

goods at 20%. 50%. profit. on entire

4x = 5000 x = 5000/4 x = 1250 L=CP-SP = 1250-1000 L=250 rupes Ans = [C]

2 = 5x - 5000

0.21 If the seller sells half of his goods at 20%.
loss of the rest of his goods at 50%. profit
find the profit percentage on entire
transaction.

Cp = 100 , Cp = 50 , Cp = 50

Total SP=115-Pd. = 115-100 x100

SP2 =75

pd. = 15%.
Ans = b

are the expense of selling an article worth rupees 6000 is sorw. If the selling expense is 101 more than the loss front the loss percentage.

50 = 1.7 L

L = 45.45 L = 44.45 6000

Ly- ~ [0.76 %.

Q.29 The profit on selling I article is equal to the cost price of 2 such articles. Find profit perdag.

Py. = 300 -100 ×100

Ans = [C]

Q30 The initial poice of an affice is decroased by 20% but the selling profit remains constant. If the initial profit was so reperfind the new profit it is known the initial profit. It is known the initial profit. Was 20% of cast price.

P = SP-CP 500 = 201. CP

CP = 500 ×100

CP = 2500

Sp = 3000 (2500 +500).

cp = cp - 201; cp.

= 2500-500

CP = 2000

New posit = 2000 -2000 x 100

P = 1000

Ams = C

Paga No.		
PHO NO.	YOUVA	
Date:	10017	

0.31 The price of pair of slippers is decreased by 10% of the selling price is constant, It the initial profit percentage was equal to 25%. Find the new profit percentage.

CP = 100, $CP_2 = 90$, $SP_1 = SP_2$ $SP_1 = 12S = SP_2 (2SV_1, postit)$

New Profit = 125-90 x 100

New profit = 350 = 38.8./.

Ams = b

0.32 Thecat price of article is doubted of the selling projects made half. It the initial profit your soul. Find profit.

P. = 300 - 206 × 100

4

J. = 100%.

Ans = C

	Page No.
	Date: Youv _A
Q33	A shoopk-eeper in creases the price of suger by 25.1. By how much a family should decrease
`	25). By how much a ramily show a decirate
	their consumption to maintain regular prices
>	CP = 100 CP = 123
_	Expenditure 1000
	New Consumption = 7 kg
	125 y = 100 x
	N = 0.8 x
	Decrease in consumption = x-1/ = x-0.8x 70.2x
	= 0.082
024	TO Hadren I was the and priced the
9.59	If the discount is trice the cost price of the
	Marked proce is 10000 And the selling Poice
	140 profit or loss was made
7	D=20 Mp=10000
	CP=SP
	D=MP-SP
	2C = MP-CP
	2C = 10000 - C
	3 C = 1000
	C = 10000
	3
	C = 3333133
	Anelh
	T. T

940 The cost price of article is 30%. leasthan the selling price. The discount is 40%. selling price. If the marked price is 12600 & find cost proces

+ MP = 12600 CP = 701.8P D = 401,

Dy. =MP-SP X100

= 12600 -X X100

5040 = 12600 - 25p = x = 7560

CP = 70.1. 7566

cp = 5992

Andad

Q41 It 33.33 / of number is 20 more than 16.661, of the number, find 120% of the number.

33,331.2 = 20+16.66/2

x - 20+ 2

3 -2 =20

of = 20

X= 120

1201/20 =144 Ans IC 9.42 Find the number if 20% of number is 20 more than 20% of another number 20-201-x = 20+20 +20 5 = 20 +20 x = 5(4+20) 2 = 120 Ams = C Q43 Anumber it doubted then topled & this proces is repeated twice. Mat is the percentage changes → 100 -7200 → 600 → 1200 → 3600 1. change = 3600 -100 x100 = 3500/ Ansisa Q. 44 By how much should 234 be ordured to make it 65% of itself 234-x = 65 x 234 100 + 234 = 152. 234 -2 =152 2 = 81.9 Anslb