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DEPARTMENT OF MATHEMATICS

23GET275 VQAR-I UNIT-1

	Classite &
	Profit and Loss
	Cost price (CP). The price at which an
	article is purchased or manufactured.
	Selling Price (SP): The opria at which an
	article is sold.
	Overhead Charges: The extra expenditures
	Overhead Charges: The extra expenditures on purchased goods apart from actual
	Cost price -
	exi freight charges, rent, Salary, repairi
	Profit: SP > CP
	Loss : CP > SP
1)	Raman purchased a car for 25 lane
	and sold it for 24 louch. Find profit/loss
	in this transaction.
	Selo: SP < CP => Loss
	LOSS = CP - SP = (5-4) = 2 1 larg
	Formulas
	Profit 1. = Profit 100
	Cost price
್ನ)	Loss V. = 1085 x 100
7	Cost price
	· ·
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	chouse
	The state of the s
3)	SP = (100 + Gain 1.) xCP
	100
4)	SP = (100 - Lossy) xCP
	100
5)	CP = (100) , LP
	1001 Gain 1.
6)	CP = 100 \ x3P
	(100 - Lossy)
1)	Find the sp, when CP is 280 and gain is 20% and loss is 20%.
	(i) gain = 20 /·
	SP = 100 + Gain! XCP
	100
	= (100 + 20) x 80 = 120 x 80
	(100) (00
	St = 12 x 8 = 2 96.
-	(ii) ce = 280
	1065 = 20.1
	SP = (100-loss) xCB
-	1 100
	= (100-20) r 80 = 818
1	59 = 264
1	COM CONTRACTOR OF THE PROPERTY
1.	





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	Date
2)	A person Sold a table at a profit of
	he would have gained 19%. Find the CP
	of the table.
	<u> Salai</u>
	Hint: A man sells his items at a profit/loss of
	a/. If he had sold it for a R more,
	he would have gained/bos by. Thom, CP of items = R x100 7
	b1a
	: a = 6/21. = 13 4. , b = 197. 8. R = 21250
	CPg-table = R x100
	= 1250 100
7	19 - 13
	= 1250 X2 2 LOO
	25
	=210,000.
3)	It the cost price of 20 articles is
	Equal to the golling price of 18 articles, then find the profit per cent.





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Ethint: It cost price of a articles is equal to the Selling price of b'articles of the percentage = a-b ×100%.
 Solo: a = 20, b = 18 - profit y. = (a-D x100) - (20-18) x1007.
 A dishonest dealor professes to sell
his Joads at Cost poice but he uses a weight of 930g for 1kg weight. Find his gain per cents!
Lettion: Boards Let a dishonest trader profess to sell his items at CP but uses false weight, then Gain 1: = Exror x 100%.
Gain 1. = True weight - False Weight x 600! J
Fore Value - From 1000-70 = 70 × 100 / = 700 / = 749 / 930





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	Die of
()	Discourt P.
2)	Discount = Marked price - Selling Price Discount > = Marked price - Selling Price x 100
	Marked price
3)	Discount y = Discount 'x 100
	Marked Price
4)	Selling Price = Marked price x (1-a) Selling Price = Marked Price - Discount
	Selling Price = Marked Price - Discount
	· · · · · · · · · · · · · · · · · · ·
<i>\bullet</i>	Two Successive discounts of 40% and Rox
	respectively, on the marked price of an article
	are equal to single discount of Re 988. The
	marked price (in Re) of the article is:
	1900 B 2200 B 2,470 B 2,070
	Go Two discounts = 40% and 20%.
1	Formula Hint:
(Two discount air and bit.
	Total discount = a+b - ab 7
	100
	Discount amount = (marked price) x @iscount 1) bo
	Lacturation .
	Angle discount perantage = (40120) = (40×20)
	= 52% /00





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	classmate
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20-1	
=> 52 = 988/man	and price X 600
=) .: Marked princ =	1900.
2) the marked price	of a bicycle is 21100 s a discount of 10%.
A shopkeeper allow	s a discount of 104.
and get a profit	of 10%. Find the cost po
of the bicycle.	, , , , , , , , , , , , , , , , , , ,
Titlat: 7 f a ston	reader the to a silver
Ry: este all-	and a disco
then marked by	wing a discount of ri
- CD (1	a- P
$= CP\left(\frac{1}{1}\right)$	204.
price of the	ifem = MP (100-1).
Solo:	1100 +R)
	45.2
7 - 1100, 8	=10% & R=10%
(P = MP (100-)	5
(100+)	
= 1100 x (100	
(100	+-10)
= 1100×90	2000
110	The said the said the said to the
	7 *
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<u>s)</u>	A Shopkeeper allows a discount of 10%.
	on the marked price of Calculator, then
	by what per cont higher than cost price
	Should marked the price, so as to gain day.
	on selling It at - Re discount?
	Fifiat: A merchant fixes the marked price
	of an article in such a way that
	after allowing a discount of ry. he
	price or the article is (x+R x100) /
	price or the article is (x+R x100) y
	(100-8
	more than its cost price.
	500
	x=10% & R=20%
	: Required percentage = (x+R x 100) y.
	- (10+20) ×100
	(100 - 10)
	= 30×100 = 100
	90 3
	= 33/3 /.
	24.3 /.



