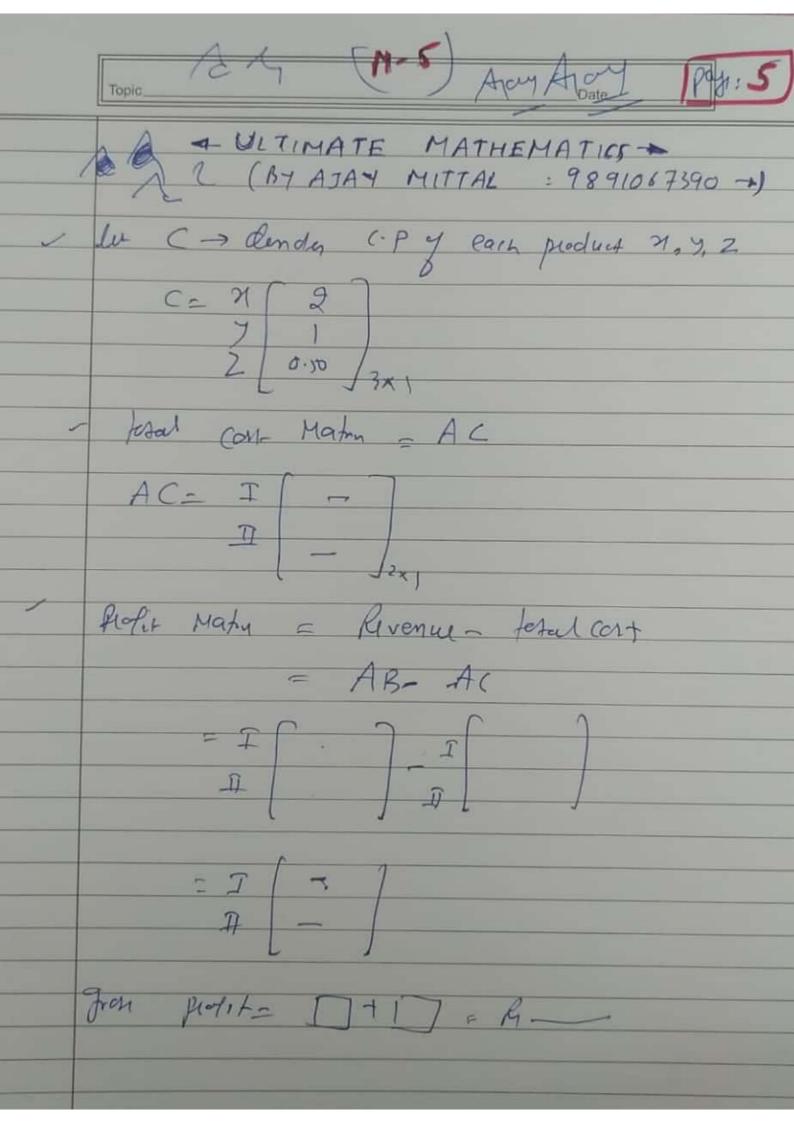


Pay 2 (M-5) Date_ - ULTIMATE MATHEMATICS -(BY AJAY MITTAL: 9891067390) A - dendes the amount Record deposited in Q4. 2. force I and Bond I Lendes the Investments in Bond-I & Bord I [x 30000-x] who By Lender the Rate of Interest From AB= [X 30000-7] [5/10) [5x + 210000 -7x] [-2x +210000) 1800]= [-2x + 210an -2x + 210000 -> | x= 15000

Topic___ - ULTIMATE MATHEMATICS -(BY: AJAY MITTAL: 9891067390) : Investment in Bond I - Bo 1500 Investment in Bod II = Ry 1500 Any le X - denotes the number of note books, pens and pencils purchased by the Shopkeper A. B. C Nobrbook pen penir! X= A (144 60 72 by y - r denotes the \$5. P gears Pence 1

M-5 + VLTIMATE MATHEMATICS -(BY AJAY MITTAL: 9891067390+) B'S BIII - Rc's R111- R --Orcho lu A- dendes tue annual sale y lach floduct 71, 7, Z in Market I & Marker II A= I (10000 - -) A= - /2+3 let B- dender the S-P of each product 11, 7, Z B= 2 2.50 y 1.50 Z 1 J_{3x1} Royn -AB 2x3 3x)= 1x1 BA 3x1 2x3 (8) Rivenus Matry = AB

AB\$ I -] ZX \
Renu from Marker I = R
" Mark II - R



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11. जम की जिरिसम जी भहाराज 11:

- WORD PROBLEMS +

Onside The bookshop of a particular school has lo dozen

Chemistry books, 8 dozen physics books, locloten

economics books - Their Selling perites are Rs 80, Rs 60

and Rs 40 each segretively. Find the total amount the

bookshop will recieve from selling all the books

Using matrix algebra

ONI: 2 + A trust fund has is 30,000 that must be invested in two different types of bends. The first bond pays sil. interest per year and the second bond pays 7%.

Interest per year. Using matrix multiplication, determine has to divide in the Rs 30,000 among the two types of bonds. If the frust fund must obtain an annual total interest of (i) is 1800 (ii) is 2000

ONS: 3+ Three Shopkeepers A, B mor C go to a Store to
buy Stationary. A pouchair 12 dozen notebooks.

5 dozen pens and 6 dozen pencils. B pouchairs
10 dozen notebooks, 6 dozen pens and 7 dozen
fencils. C purchases 11 dozen notebooks, 13 dozen
Pens and 8 dozen pencils. A notebooks Cost

40 paise, a pen costs Ps 1:25 and a pencil
Costs 35 paise. Use matrix municiplication to

Ons=4+ Two farmers Ramkisham and Grungharan Singh Cultivates only three varieties of Rice namely Baimati permal and Nama The sale in (Rupers) of these varieties of Rice by both ULTIMATE MATHEMATICS

Calculate each individuals billi

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CHAPTER- MATRICS 2020-2021 BY: AJAY MITTAL CLASS XII 9891067390 WORKSHEET NO.5 the farmers in the month of feptember and october are given by the forevery matrices September sale (ls) | Baimati Pumal Nawa | Ram kishan | 10000 | 30000 | Ram kishan | Soooo | 30000 | Guuchaian Sirgh Barmahi permal Nama 10,000 1,000 Ram kishan 5000 [20,000 10,000 10,000] Guuchavan Sirgh. and octabe for each farmer in each variety. (2) Find the decuase in sales from september (3) I born farmers beceive 2% profit in gross sales . Compute the profit for each farmer and for each variety sold in October. ONI-5 + In a legislative assembly election, a political group hired a public ellations from to gromek its candidate in three ways: teleplone, house calls, and letter. The cost per contact (in paise) is given in matrix A as A = YO Telepone

100 Houseall

50 July The number of contacts of each type made in two cities X and y is grun by

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CLA	33 All CITAL TEN WHATENESS ZOZO-ZOZI BI. ASAT WILLIAL
	WORKSHEET NO.5 9891067390
	Telipone Hauxall letter
	13- 1000 500 5000 7 X
	13- 1000 500 5000 → X 3060 1000 10000 → Y
	L
	Find the torse amount spent by the group in the
	two cities X and Y.
	1000
0011	* A manufacture produces three products x, y
UNIEG	and z which he sells in two markets.
	Annual sales are indicated below:
	Annual mortana
	Market PRODUCTS
	I 10000 2000 18000
	II 6000 20000 8000
(9.)	Rs 1.50 and Rs 1.00 Respectively. Find the
	total levenue in each market with the help
	Total revenue in turn
	of mater algebra
(6)	If the unit costs of the above three commade ties
	or or 2.00 or 1:00 and so paire respectively.
	au Rs 2.00, Rs 1.00 and 50 paise respectively.
	Find the grass profet.
0	- There are two families A once B. There are
UN1-4	y and one of the think of the
	a discourse and confidence
	The state of the s
	us; Man: 2400, woman: 1900, child: 1800 and
	for proteins is; Man: 55gm, woman: 455m
	for ploteins so,
	Represent the above infarmation by matrices.
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