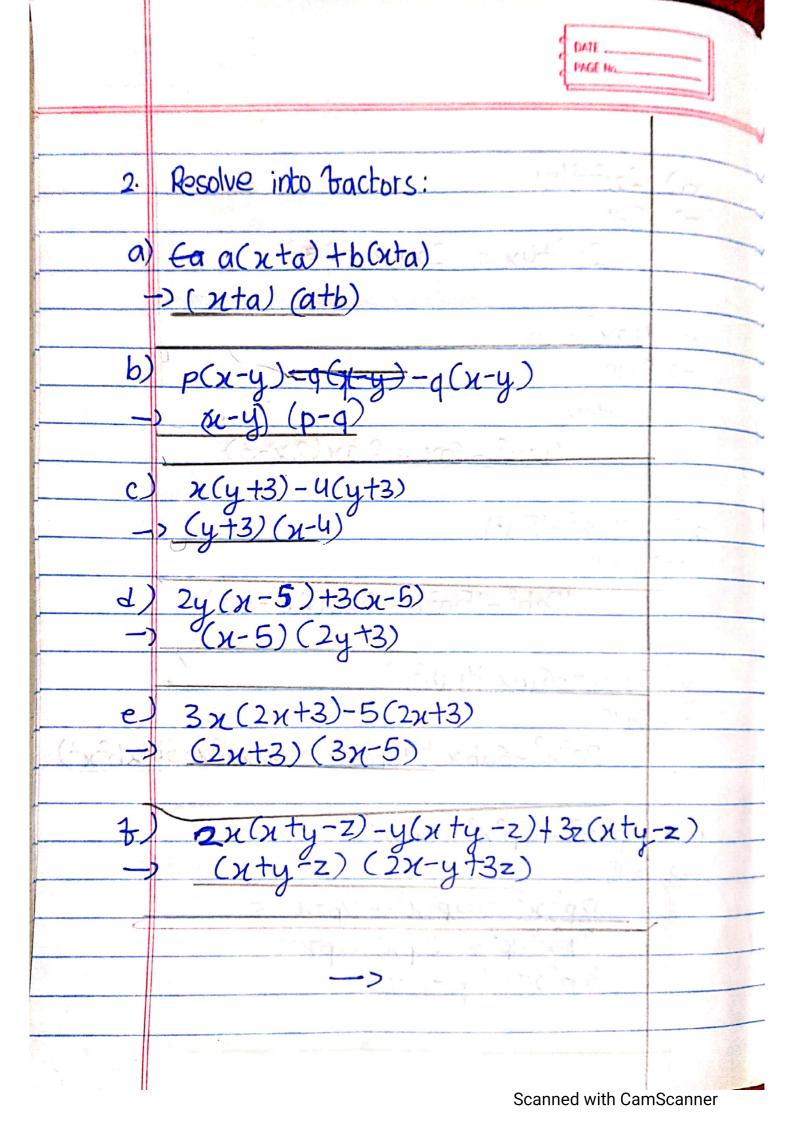
		DATEPAGE No	
	Assignment		
	FactoriSation	——————————————————————————————————————	
-			
	Exercise 22(I)		
1.	Factorise:		
a)	xytyz		
	Soln, $xytyz = y(xtz)$		
	749-9-		
b)	3axtya		
	30xt4a = a (3xt4)		
	Juli Har de Color I		
c)	2×164	Control of the Contro	
	2xt6y Solh		
	2x+6y=2(x+3y)		
		one of the second second second second	
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-2 q	$2x^{2}+4x$ 50^{n} $2x^{2}+4x = 2x(x+2x)$	
e) :	4ax²-6ax Som Here	
- 1)	$4ax^2 - 6ax = 2ax(2x-3)$ $10ab^2 - 15a^2b$ > Soly	
	$10ab^{2} - 15a^{2}b = 5ab(2b - 3a)$ $2a^{2}x^{2} - 6abx + 44ab^{2}x^{3}$ 501^{2}	L L 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
h) _>	$2a^{2}x^{2}-6abx+4ab^{2}x^{3}=2ax(ax-3)$ $12p^{3}x^{2}-15p^{2}x^{3}+9p^{2}x^{2}$ Soly, $12p^{3}x^{2}-15p^{2}x^{3}+9p^{2}x^{2}=$ $3p^{2}x^{2}(4p^{2}x-5px^{2}+3px)$ $3p^{2}x^{2}(4p-5x+3)$	b+x6-x-)

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• 1 <u>- 1</u> 1	DATEPAGE No	
3	Factorise;	
	POCIONSE)	
<u>a)</u>	amtontanton	4.5
(1)	MINIONIANTEM	
	Conthall	
	(amton) (anton) ma	
)	(amtan) (bmtbn) a(mtn)+b(mtn)	
	? (mtn)(atb)	-
	(min) (a la)	
b)	$\chi^2 + 2\chi + 3\chi + 6$	
→	$(n^2+2n)+(3n+6)$	
)	x(x+2)+3(x+2)	a manufacture and a second
->	(x+z)(x+3)	
()	$24y - 3x + y^2 - 3y$	
-2	$(xy-3x)+(y^2-3y)$	
	> x(y-3) +y(y-3)	
_	(x+y)(x(y-3)(x+y)	
4)	mn+5m+6n+30	
_>	(mn+5m)+(6n+30)	
	m(nt5)+6(nt5)	
	> (h+5)(=m+6)	
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e)	pq - 3p + 4q - 12 (pq - 3p) + (4q - 12) = p(q - 3) + 4(q - 12) = (q - 3)(p + 4)	19 harman E
	(pq-3p)+(uq-12)=p(q-3)+4(q-3)
	= (9-3)(p+v	() (01) (1) ()
		and the state of the
	2p2-3pq+2pr-3qr	The transfer of the state of th
	$\frac{2p^{2}-3pq+2pr-3qr}{(2p^{2}-3pq)+(2pr-3qr)}$ $\frac{p(2p-3q)+r(2p-3q)}{(2p-3q)(p+r)}$	14/4-06
-	P p(2p-3q) + r(2p-3q)	o' Coting land
	P (2p-5q)(p)1)	
	Yu-x+u-1.	
9	(xy-x)+(y-1)	harly day to
_	(xy-x)+(y-1) (xy-x)+(y-1) x(y-1)+(y-1)	14 (2 to) (2 to) (2 to) (2 to)
	> (y-1) (x+1)	TO (SHALL) CON
h)	$x^3 + 2x^2y - 2xy - 4y^2$	1
<u>></u>	(X 12x y)	
	$(x^3+2x^2y)(-2xy-4y^2)$	Signal .
	$= x^2(x+2y)-2y(x+2y)$ $= (x+2y)(x^2-2y)$	
	College College	The same of the sa
		THE TAY OF THE PARTY OF THE PAR
		and mora final
	Clark Division	至(日十三) 六十二月
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(;	a^2 (b = 1) = = 1	
-7)	2 1/2 1/4	
-2	$a^{2}-(b-1)a-b$ $a^{2}-b+1+a-b(a^{2}-ab)+(a-b)$ $a(a-b)+1(a-b)$	ψ ² .
6	$\frac{a(a-b)+1(a-b)}{a-b}$	
	> Ca-b)Ca+1)	
. \		
	x2-(a+b)x+ab	
_	$\frac{(x^2-9x)(bx+ab)}{x(x-a)-b(x-a)}$	
->	$\chi(\chi-a)-b(\chi-a)$	
_) (x-a)(x-b)	
k)	$\chi^{2} - (\alpha + 2b)\chi + 2\alpha b$	
_	(x2-ax)=(-2bx+2ab)	
_	x(x-a)-2b(x-a)	-
	(x-a)(x-2b)	
	(x-a)(x-b)	
0)	- h (2 ² + 1, 2) (21,12)	
7)	ab (x²+y²)-ny(a²+b²)	
	(aby taby taby bany)	4
	ab(x 1 1 2)	
	9bx2+aby2-a2xy-b2xy	
>	$abx^{2} + aby^{2} - a^{2}xy - b^{2}xy$ $(abx^{2} - a^{2}xy) (-b^{2}xy + aby^{2})$	
-5	ax(bx-ay)-by(bx-dy)	
→>	(bx-dy) (ax-by)	
5		

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