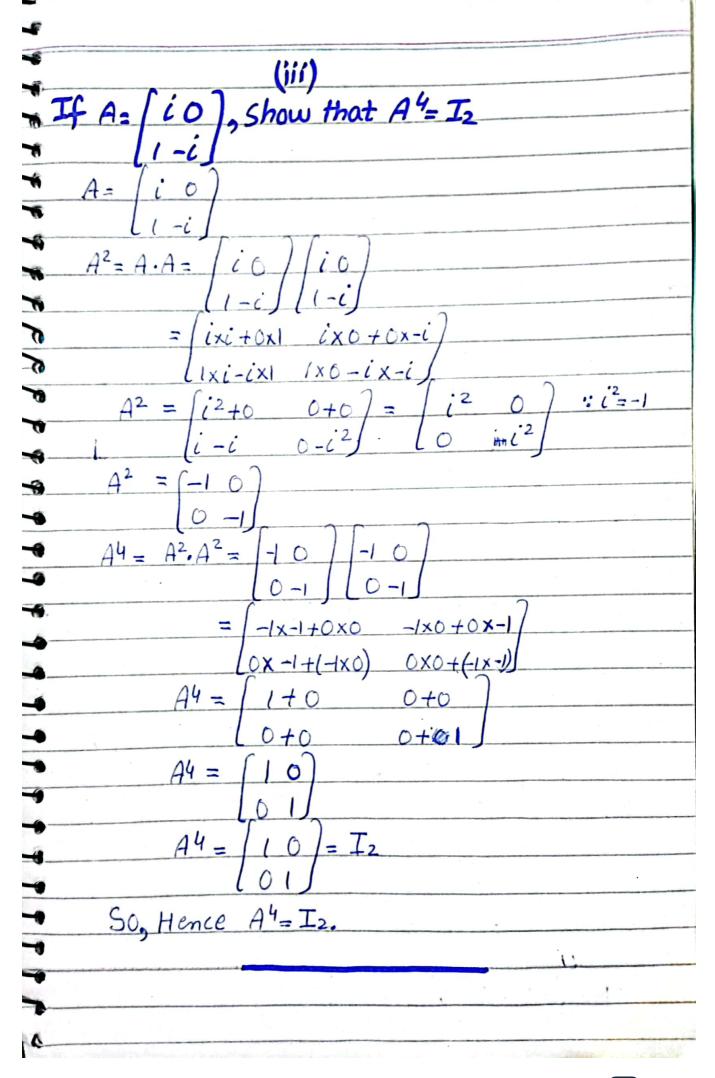


	•
	9
Lot C Cara 212	6
Let G=E0, 1, 2, 3, 43 set (I)(II)(III)(IV)(V)	
001234	
RI-> 0 0 0 0 0 0	
- R2-) 101234	-
$R_3 \rightarrow 2 0 2 4 1 3$	
	_
Ry 3 9 2	
Rs-> 4043211	6
$R_3 \rightarrow (IV) 2 \times 3 = 6$	
6+5=1	
$R_3 \rightarrow V 2x4=8$	6
8-5-3	•
	-
$R_4 \rightarrow (\pi r)$ $3x2=6$	
6 +5=1	
Ry->(IV) 3x3=9	
9 -5 = 4	6
$Ry \rightarrow (V)$ $3x4 = 12$	•
12-5=2	
	•
8÷5=3	
R5→(IV) 4x3=12	۲
12-5=2	~
R5->(v) 4x4=16	•
16-5=1	-
10.0	-
Manager Company of the Company of th	the transfer of the sale



Long Questions:-
Long Questions:-
Q#03
Let, Gbe the Set of all 2x2 non-singular Matrices:
G1= EA, B, C, I, 5
->CLOSUTE:-
As the product of any 2x2 matrices
is again a Matrin of order 2x2. So, G is
Closed under operation. A·BEG
→Associative:- The operation is associative
e.g A, B, C, EG then (AB) C = A(BC)
C) (19109 C) CO) (111011
→ Iolentity:-
$I_2 = \begin{cases} 1 & 0 \end{cases} \text{ is the identity in } G_2.$
-> Inverse:- As G contain non-singular Matrices
only so, it contain inverse of each of its element.
The set G is a group under 1
$A \cdot A^{-1} = I = A^{-1} \cdot A$
-> Commutative: - The operation is not commutative -
As we know that A x B & BxA in general
particularly for G.
Thus, G is non-Abelian group.