					22231 INT 10
5		Registration N	0.2		
					Paper Code
	Cor	urse Title:FUNDAN	ourse Code: INT		NING
Read the fol	lowing instructions of	refully before assumation	the material management		Max Marks: 4
3. Part B ca 4. Answer a	nazins 3 questions of a nazins 3 questions of a	2 marks each. All question 10 marks each. All course	ns are compulsory:		
except your i	rite or mark anything registration number o	on the question paper an in the designated space.	d or on rough sheet	(s) which could be help	rful to any student in copying.
Q1. (a)			Part-A		
Suppose	that the eigenval	lues of matrix A are	1, 2, 4. The de	terminant of (A-	1) ^T is
(b)					CO1, L1, [2 marks]
Write a pythor	a program to read the	data using pandas and d	rop the column who	re the 2 null values ar	re present.
(c)Visualize th	CO2, L2, [2 marks]				
(d)Write the st	CO2, L2, [2 marks]				
(e)What is Din	CO2, L2, [2 marks]				
					CO2, L2, [2 marks]
Q2) Consider th	he following simultan	eous equations to find the	Part-8 to value of x1, x2 a	nd x3 by using Matric	ces method.
1. x1+x2+	v3=3	(ii) x1-x2=1	(iii) x1-x2+	x3=l	
Find the inverse	of A where A will be	e as above system of eq	untions.		
Q3)					CO1, L1, [10 marks]
explain any two and column[C] v	methods to handle m with the coming value	isssing values and fill the of the next column. Ex	te null values of col	lumn [A] with the pro elp of the program.	evious value of the same column
		Dataset			
A	В	C	D	E	
10	30	5	5	6	
6	7	-	8	7	

A	В	C	D	E
10	30	5	5	6
6	7	-	8	7
	0	9	7	7
1	7	5	4	6
Nan	6		7	5
3	6	Nan	6	6
4	15	7	10	9
-	0	. 4	7	9
	0	8	6	5

Q4) What is the need of PCA expalin with examples?

> CO2 LZ [10 marks] CO2, L2, [10 marks]

