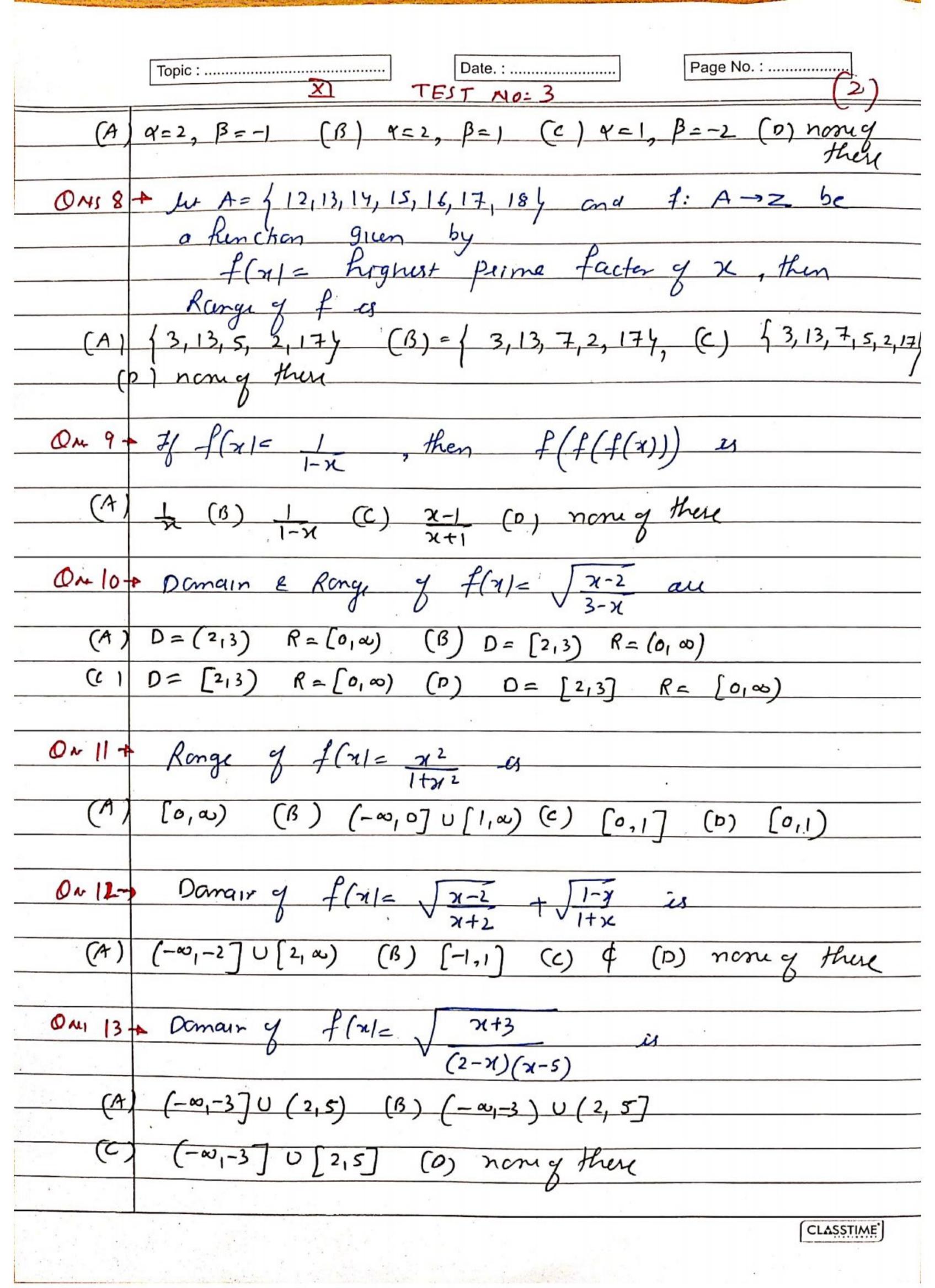
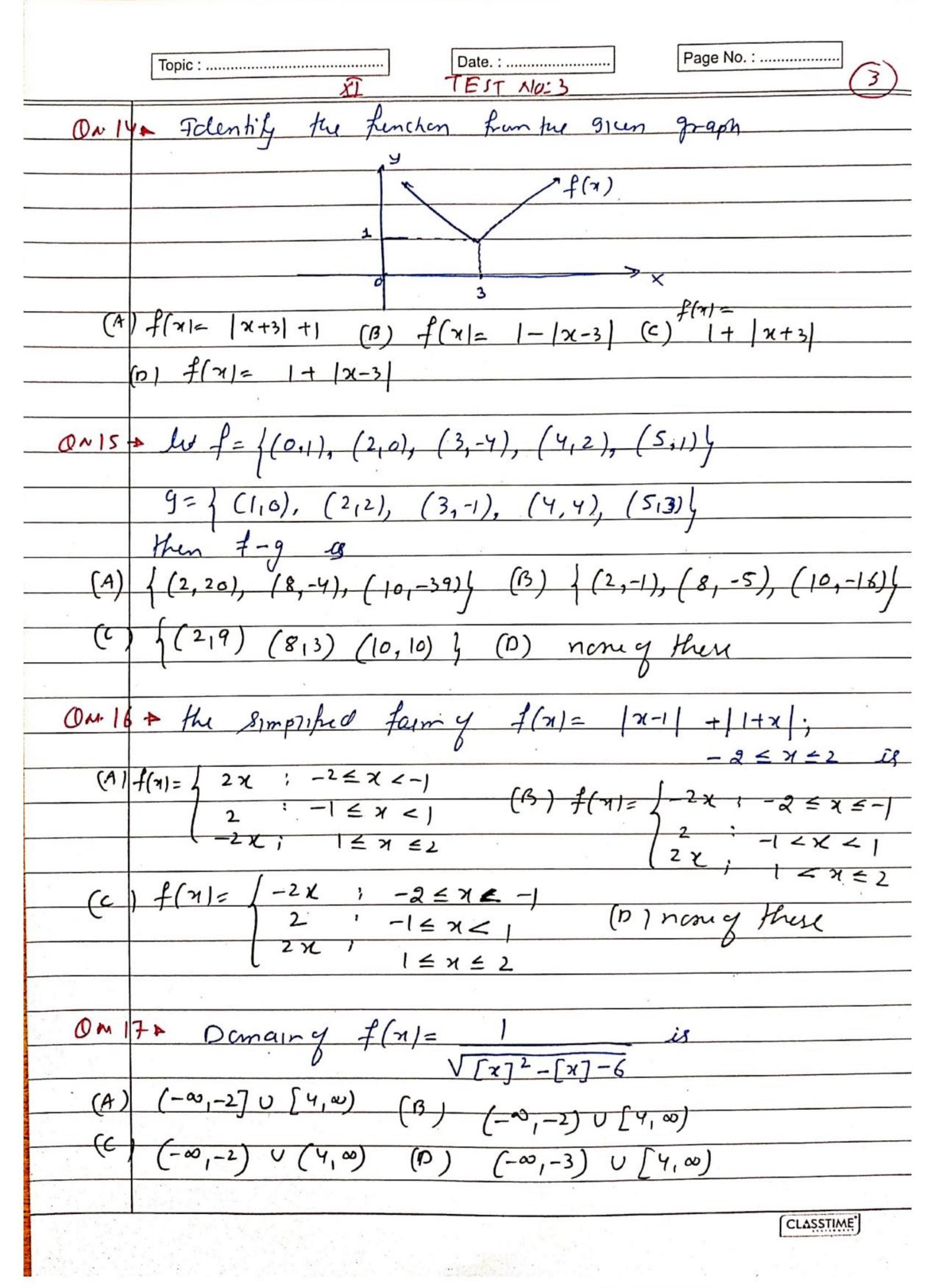
	ULTIMATE MATHEMATICS
	Topic:
-District Street Street Street Street	CHAPTER: RELATION & FUNCTION
restruction and of the selection of the selection and the selection of the	(3 Mailes each) MARKS = 60 Time: 1:30 hrs
Ons	1 A= 11,2,44, B= {2,4,54, C= {2,54 then
	(A-B) X (B-c) os (2,4,5), C= {2,5} then
(A)	
ONy 2	* H B is a welchen on a finite set A having netwents.
	then The number of lelations on A is
(A)	Then the number of elations on A is  2" (B) n² (c) n" (D) 2"
() M. 3.	Lu $A = \{1,2,3\}$ and $R = \{(q,b):  a^2-b^2  \le 5$ ; $q,b \in A\}$ three number y elements in Relation R is $\{(B)\}$ 7 (C) 8 (D) 5
<i>C</i> 4 1	then number y elements in Relation R is
(A)	6 (B) 7 (C) 8 (p) 5
On 4	the A= [1,2,3,4,5,64. Let R be a lelation on let A
	the A= \(\begin{aligned} 1,2,3,4,5,6\gamma\). Let R be a lectation on let A defined by R=\(\frac{1}{9,b}\). b is exactly divisible by a\gamma\)
	then the number of elements in Relation R is  13 (13) 12 (C) 10 (P) none of these
(4)	13 (B) 12 (C) 10 (P) noney these
ONS 5	The sange of the grun lea lelation
	The sange of the given the lelahon $R = \left\{ (q_1b) :  a-1  = b ; a \in \mathbb{Z} \text{ and }  a  \leq 3 \right\}$
(A)	{0,1,2,3} (B) {1,2,3,4} (c) {0,1,2,4} (P) {0,1,2,3,4}
On 6	The domain for which the functions f(x1=2x2-1 and
	g(x)=1-3x au equal os
(A:	(-2, 1) (B) 1-2, 1/4 (c) 1-1, 2/4 (0) (-1,2)
On. 7	1 let f= { (1,1), (2,13), (0,-1), (-1,-3)} be a function
	discribed by the farmula f(x) = xx+B,
	then of and B are
	[CLASSTIME]





	Topic :
	Topic:
On	8 + Ronge of f(x1= 1x-4) is
CA 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
(A)	(-14 (b) (-1,1) (c) 414 (b) 1-1,14
•	
Q~ 19	* Ronge of f(x1= 1+3 cos(2x) is
W / C	Tonge of Title Its (s)
(A)	(-2,4) (0) (3,4] (c) [-2,4) (0) None of these
On 20	+ Domain and Range of Signer Runchen is
(A)	Domain = Z Ronge = R (B) Domain = R Ronge foily
	1 Domain = Z Ronge (-1,0,14 (D) Domain= R Ronge = {1,0,-14
	$\frac{1}{\sqrt{2}} = \{1,0,-1\}$
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