91 Write the set A = {1,49,16,25...} in

 $A = \{1^2, 2^2, 3^3, 4^2, 5^2 - \cdots \}$

> A= 2x: x = n² where n∈N2

ii) B= {x: x e Z and 22-81=0}

22 write 3 examples of each finite 4 infinite set

≥) A= { x: x is a square of natural number}

n (c) = 2

set builder form?

in set builder form.

n(A) = 4

Finite) A = 21,2,3,43

说 (= {-15,25}

-	
- 1	

Tutorial -9

Anibet Grupta

2K19/IT/019

i) set of all points in a plant Infinite ii) Set of all whole numbers. iv) set of all integers divisible by I. A Production of the second of 93 (a) Finite (b) Infinite (c) Finite (d) Infinite (e) Finite ender ex x x 2 TeA .-(f) Infinite (8) Finite to I example of the and well and the second (h) Infinite A 2 P 04 B=T

D= 8 C= M

$$0.5 \quad (\alpha) n(\Omega) = 0$$

$$(b) n(B) = 2$$

$$(c) n(c) = 12$$

$$(d) n(z+) = 99$$

$$(e) n(D) = 5$$

$$(f) n(MALAYALAM) = 4$$

$$0.6 \quad (?) A = \{4,6,7,8\}$$

$$(?) B = \{4,6,7,8\}$$

$$(?) AVB = \{4,6,7,8,9,10,11\}$$

$$(?) ANB = \{4,6,7,8\}$$

$$(?) ANB = \{4,6,7,8\}$$

$$97$$
 (2) $91,2,3,4,6,73 = ×NY
(21) $94,8,93 = ×NY$
(321) $993 = ×NY$$

08 Write all possible partitions of sets 5= {1,2,3} 1) [11,2,3.] All possible: 11) 3 11,23, 937 3 partitions 師 11,37,923] iv) \$ 12,3], \$13} n) 3 51], 12/,53] } U= {1,2,3 ---A = {2,4,6,8,109 13 = {1,3,6,7,8}

b)
$$A \cap B = \{6, 8\}$$
 $A \cup C = \{2, 3, 4, 6, 7, 8, 10\}$
 $A' = \{1, 3, 5, 7, 9\}$
 $B' = \{2, 4, 5, 7, 10\}$
 $B \cap A' = \{1, 3, 7\}$
 $B \cap C' = \{1, 6, 8\}$
 $A - B = \{2, 4, 10\}$
 $A \wedge B = \{A - B\} \cup \{B - A\} = \{2, 4, 10, 1, 3, 7\}$
 $A \cap B = \{A \cap B\} \cup \{B - A\} = \{1, 2, 3, 4, 7, 10\}$
 $A \cap B = \{A \cap B\} \cup \{A \cap B\} = \{A \cap$