

ST. TERESA'S SCHOOL, BOLPUR

STD: VII

SUB: MATHEMATICS

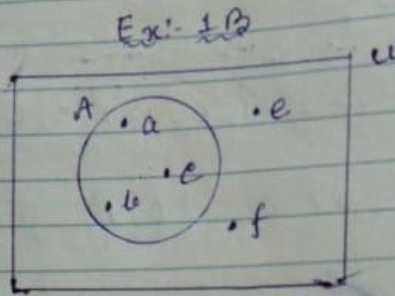
WEEK ASSIGNMENT

FEBRUARY 2010

class: VII, Sub: Maths
Venn diagram.

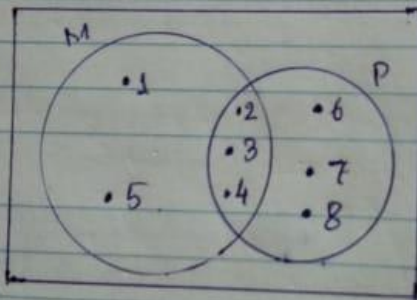
27 SAT

1)



- (i) $A = \{a, b, c\}$ (ii) $U = \{a, b, c, d, e, f\}$
 iii) (a) $a \in A$ (b) $e \notin A$ (c) $f \in A'$

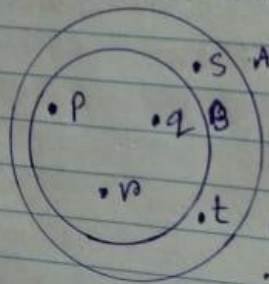
2)



28 SUN

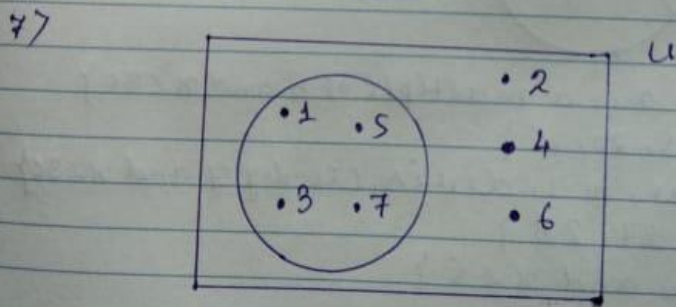
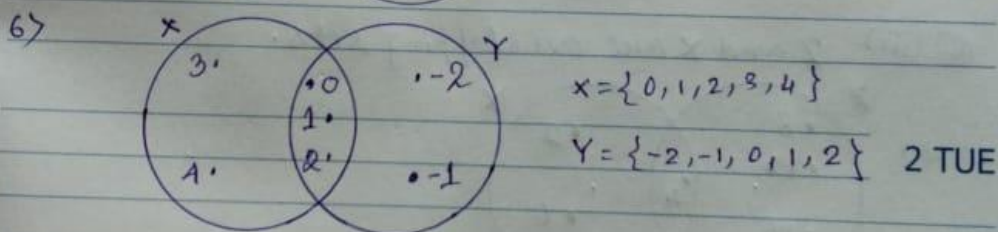
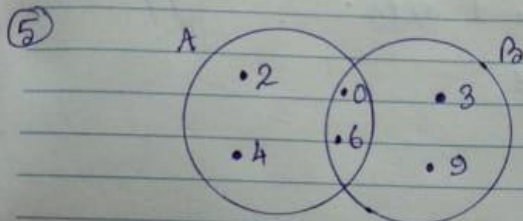
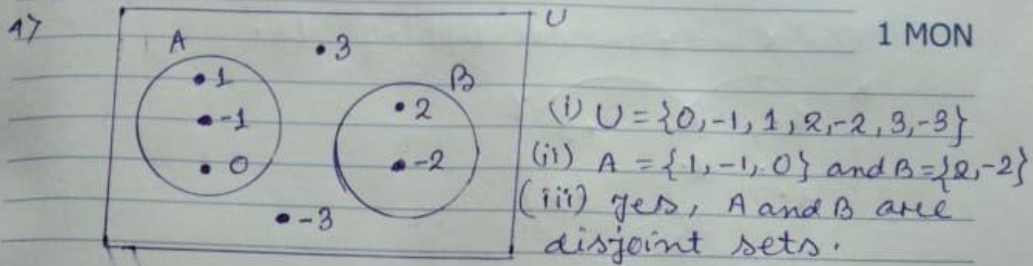
- (i) $M = \{1, 2, 3, 4, 5\}$, $P = \{2, 3, 4, 6, 7, 8\}$
 ii) The members common to M and P = $M \cap P = \{2, 3, 4\}$

3)



- (i) $A = \{p, q, r, s, t\}$
 $B = \{p, q, r\}$
 (ii) The members common to A and B
 $= A \cap B = \{p, q, r\}$

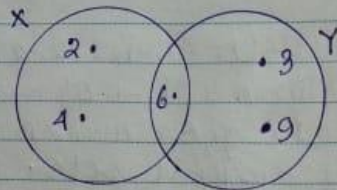
Notes



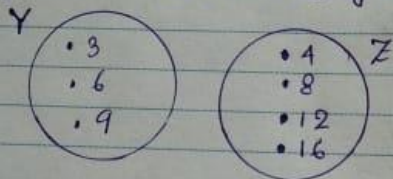
	Sun	Mon	Tue	Wed	Thu	Fri	Sat
April 2010	4	5	6	7	1	2	3
	11	12	13	14	8	9	10
	18	19	20	21	15	16	17
	25	26	27	28	22	23	24
				29	29	30	

Notes

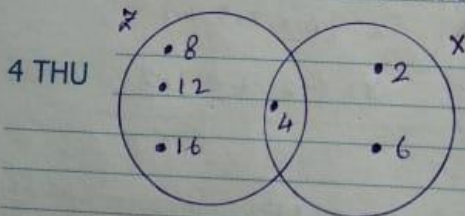
3 WED 8) (i) X and Y are overlapping sets.



8) (ii) Y and Z are disjoint sets.



9) (iii) Z and X are overlapping sets.



97 $A = \{x | x \in \mathbb{N}, x \text{ is a multiple of } 5 \text{ and } x < 30\}$

$\therefore A = \{5, 10, 15, 20, 25\}$

$B = \{x | x \in \mathbb{N}, x \text{ is divisible by } 7 \text{ and } x < 30\}$

$\therefore B = \{7, 14, 21, 28\}$

$C = \{x | x \in \mathbb{N} \text{ and } x < 5\}$

$\therefore C = \{0, 1, 2, 3, 4\}$

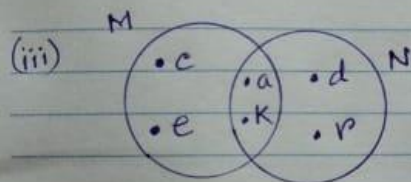
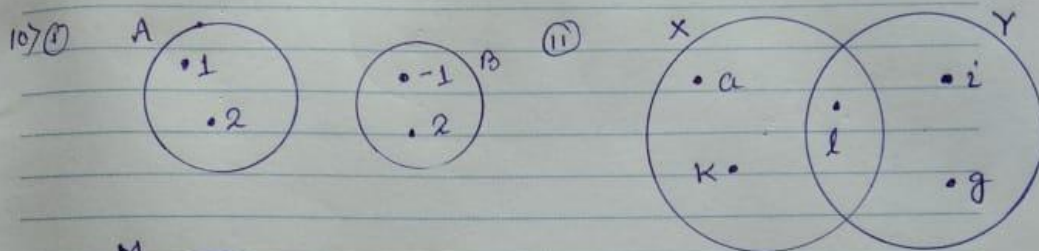
i) $\therefore A$ and B are disjoint sets. (verified)

Notes

February 2010	Sun	Mon	Tue	Wed	Thu	Fri	Sat
		1	2	3	4	5	6
7	8	9	10	11	12	13	
14	15	16	17	18	19	20	
21	22	23	24	25	26	27	
28							

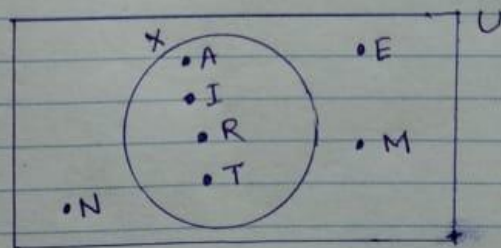
5 FRI

- ii) A and C are overlapping sets. (False)
 (iii) B and C are nonoverlapping sets. (verified)



11) $U = \{E, N, T, R, A, I, M\}$ and $X = \{A, I, R, T\}$

6 SAT



Md Zaher Ali Mondal.

April 2010	Sun	Mon	Tue	Wed	Thu	Fri	Sat
	4	5	6	7	1	2	3
	11	12	13	14	15	16	17
	18	19	20	21	22	23	24
	25	26	27	28	29	30	

Notes