					LWS			DATE:/			
								TIME: 1 hrs MARKS: 20			
			Mathematics Part - 1								
							Roll NO:	:			
Q.1	A) C	Choose the corre	ect alternative.								(4)
	1)	$m \times (n \times 0) = (m$ a. Commulative	× n) × 0 is e b. Inverse			numbers. d. Associative					
	2)		nal number 0. $\frac{3}{10}$ c. $\frac{1}{3}$	_							
	3)	a. Terminatingb. Non termina	ting and recurring)	is always eit	her or	type.				
	4)	All the elements of set P and set P' together form set. a. Null set b. Singletone set c. Universal set d. None of the above.									
	B) \$) Solve the following questions. (Any one) (2)									
	1)	Write the following sets using rule method. B = {6, 12, 18, 24, 30, 36, 42, 48}									
	2)	P is the s M is the s I is the s B is the s is the set of all	e subset relation beset of all residents set of all residents et of all residents set of all residents residents in Mahaet can be the univ	s in Pune. s in Madhy in Indore. s in India. arashtra.	a Pradesh. H	s?					
Q.2	(A) C	Complete the follo	owing Activities. (Any one)							(2)
	1)	Write the follow $\frac{9}{11}$ $\frac{9}{11}$ =	ving numbers in it	s decimal f	orm						
	2)	Write the following sets using rule method. D = {Sunday, Monday, Tuesday, Wednesday, Thursday, Friday, Saturday} = {}									
	B) \$	Solve the following questions. (Any one) (2)									
	1)		r set A and B are	equal sets		n for your answer.					

- Q.3 Solve the following questions. (Any one)

 1) Multiply $(3\sqrt{2}-\sqrt{3})(4\sqrt{3}-\sqrt{2})$ 2) Write the simplest form of rationalizing factor for the given surds : $\frac{3}{5}\sqrt{10}$ Q.4 Solve the following questions. (Any one) (4)
- 1) In a class of 70 students, 45 students like to play Cricket. 52 students like to play Kho- Kho. All the students like to play atleast one of the two games. How many students like to play Cricket or Kho Kho?
 - 2) Represent the numbers $\sqrt{5}$ on a number line.

Compare the surds : $7\sqrt{2}$, $5\sqrt{3}$

2)

- Q.5 Solve the following questions. (Any one)

 (3)
 - 1) Write the simplest form of rationalizing factor for the given surds : $\sqrt{27}$
 - 2) Represent the union of two sets by Venn diagram for each of the following.
 - $X = \{x | x \text{ is a prime number between } 80 \text{ and } 100\}$
 - $Y = \{y|y \text{ is an odd number between 90 and 100}\}$