60	ORTHERN PROVINCE cond Term Exam – 2016 <i>Maths</i>	
dex No :	<b>Grade</b> : 10 <b>Time</b> :- 3	Hours
01) Simplify: $\frac{1}{5} + \frac{2}{5}$	Part - I	
<ul> <li>N2) Solve: 2x + 3 = 11</li> <li>N3) In figure AB is straight line.</li> <li>Find the value of x</li> </ul>	C	ana an
Ā	x 130° Education	agits agits des
<ol> <li>Remove brackets and simplify</li> <li>If Rs. 800 is divided between A</li> </ol>	3(2x + 5) + x and B in the ratio 3 : 2, find the amount of money A	(et
$\begin{array}{c} 6) \\ 6) \\ 5 \\ cm \\ D \\ \hline 7 \\ cm \\ C \end{array}$		ාපන
7) Write two consecutive integers	which are closest to $\sqrt{18}$ .	
8) Find the least common multiple	of $x^2$ , $3xy$ , $6x$	
9) Find the value of $\sqrt{5184}$		
	of $x^2 + xy$ .	
0) If $x = 2$ , $y = 3$ Find the value		

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Part -	IB
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01) a) : Simplify : 
$$(\frac{1}{2} + \frac{1}{3}) \div \frac{1}{6}$$

02)

A person travelled  $\frac{2}{5}$  of his journey by walk and  $\frac{2}{3}$  of remaining by bus and the rest distance by 6) three wheeler.

- What fraction of the whole distance is remaining after walking. i)
- What fraction of the whole distance is travelled by bus. ii)

7cm

iii) If the travels 1.2 km by three wheeler, find the total distance of his journey.

7 cm

lucation

18 cm

0

(3+2+2+3)



(14) The pie

a)

b)

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i)

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The figure shows decoration cut from a tissue sheet to make a decoration object. Answer the following questions using the pattern. අධ්යාපන Find the area of a semi circle. i) Find the area of triangle OAB. ii) Find the total area of the figure. iii) If pearls are pasted long the semicircular arcs with 2cm space, How many pearls are needed to iv) this purpose. (3+2+2+3)03) Remove brackets and simplify (3x+2)(2x-3)If x + y = 10 and xy = -6 find the value of  $x^2 + y^2$ . ii) Solve :  $x^2 - x - 6 = 0$ iii) (3+3+4)Grade - 10 Maths - I Grade - 10

(4) The pie chart given here shows the information about favorite subjects of grade 10 students.



- a) Which subject likes most number of students?
- b) Find the magnitude of the angle represents the students like English.
- c) If 55 students like Science, Find the number of students likes Tamil.
- d) Find the total number of students in the class.
- e) How many more students is the number of students like Science than number of students like Maths. (1+2+3+2+2)

05)

Grade - 10

Foot ball (F) Volley ball (V). min

The Venn diagram given here shows the information about the prefer games of 50 grades 10 students in a certain School.

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(3+2+2+3)

Maths - I

If the number of students play foot ball is 35 and the number of students play foot ball only is 10.

i) How many students play volley ball?

ii) How many students do not play at least one of the two games

- iii) The set represents the students play foot ball as F, and volley ball as V, write the relationship between the two sets in set notations.
- iv) Shade the set region  $(F \cap V^1)$

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					Part -	II							
* A	nswer	Only Five	e Question	s.								1	
06) a)	Th	e annual	value of Kı	umar's hou	ise is Rs. 5	0000. Kur	nar gave hi	s house to	Ravi for r	ent at Rs.			
						money ga					IE		
						ne annual v							
	i)		uch money										
	ii)	Find the	e amount o	f money pa	aid as asse	ssment tax							
	iii)	Find the	e amount o	f money he	e spent for	the mainte	enance of the	e house.	• • •				
	iv)	How mu	uch is the b	alance.		1. A.		$\sim -i \epsilon$	3				
							4.5						
b)						8000 is pai	d as duty,	when the c	camera is i	mported.		A. S. S. S.	
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7) An	incom	plete table	e to draw th	ne granh o	f the funct	ion $y = x^2$	$^2 - 4$ is given	en helow					05
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		x	-3	-2	-1	0	1	2	3	-			
ŀ		у	5	0	-3			0	5			Albonio e resistore po	
	4		. 1. 7	Ē	duca	tion (						T	
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a) b)	ii)	Taking 1 graph of	0 small div the function	visions as	1 unit alor	1		y axis as	scale and o	Iraw the		n de fan de ser oan een de ser oer oer oer oer oer oer oer oer oer o	1(
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