un at is aging	ZONAL EDUCATION OFFICE LA PROF	
And the second s	ZONAL EDUCATION OFFICE - JAFFNA Second term Examination - 2017	
	Grade - 10 Mathematics Time - 2 hours	
	Part - I A	
	(Answer the all questions)	
1. If the circum	aference of a circle is 44cm, find the are length of semicircle.	
2. If the area of	f a square is $196 cm^2$, find the length of a side of square.	
	a square is 1900m, find the length of a side of square.	
	8 2	
3. Simplify $\frac{3}{4}$	$\times \frac{5}{9} \div \frac{2}{3}$	
4. Fill in the bla	anks. Education	
$x^2 + 6x + \dots$	$\dots = (x + -)^2$	
5. Find the equa		
Angle side.	al sides of triangles ABC and 'PQR in which both triangles congruent in the case of side	
	\bigwedge^{c} \bigwedge^{R}	
A	$-+$ $A_{B_{P}}$ A_{Q}	
	14m	
6. <i>F</i> ind the area	a of the sector given in the diagram. 14m	
7. Factorize		
$25x^2 - 9$		
8. According to	the given data, find 'x' and 'y' 80°	
9. Five men can	x y	
	complete a work in 8 days. find, nany days will be taken to complete the same work by 4 men?	
	kalvi.lk	



19. How far does a motor cycle travel along a road in 1 hour 30 minutes if its speedo meter displays a constant speed of 60kmh ⁻¹ during this period?
20. Make 'h' the subject of the formula $V = \frac{1}{3}\overline{\wedge}r^2h$
21. If the general term of a number pattern is 3n-4, Find its 12 term.
22. Find the value of x and y in the given parallelogram. x°
23. In the given triangle,
1) Find the value of x Education
2) Write two sides which are equal in length.
24. If $x = 3$, and $y = -1$ find the value of $x + 2y$
25. Find suitable value for the blank box. $2:3 = \square: 12$
(2X25=50marks)
kalvi.lk

G

Part - I B			
* Answer all questions.			
01. produces in the differential context from a statement of the statement of the statement of the statement of			
1) Simplify $\left(\frac{1}{4} + \frac{1}{3}\right)$ of $2\frac{2}{7}$			
2) Kanthan sold $\frac{1}{4}$ of land which he had. After that he gave $\frac{1}{3}$ of the remaining land to his daughter.			
Then he gave $\frac{1}{8}$ of the remaining land to his son. the rest of the land area which he had 35 acres.			
1) What fraction of total land remaining after solding?			
(1 mark)			
2) What fraction of total land was given to the daughter?			
(2 marks)			
3) What fraction of total land was given to the son?			
Education (2 marks)			
4) What fraction of total land was left over?			
5) How many acres is the whole part of kanthan's land?			
CUUJOS) (1 mark)			
(10 marks)			
$\left[\begin{array}{c} 30 \\ \end{array}\right]$			
02. Car Motor cycle			
a) Car Motpr cycle			
Out of 30 teachers in a school, 15 teachers haven't car or motorcycle 12 teachers have motorcycle			
10 Teachers have only a vehicles.			
1) Show that the given data in a Venn diagram, (4 marks)			
2) Find the number of teachers who have both car and motor bike?			
2) How many tangkar have atland and of the shows vahiolo?			
 Howmony teachers have atleast one of the above vehicle? 			

kalvi.lk

b) There are 4 red marbles 3 green marbles and 2 white marbles in a vessel. A marbel is taken randomly from the vessel. Find the probability of taking green?		
(2 marks)		
 03. a)The first Rs. 100, 000 of the annual income of a businessman is exempted from income tax. An annual income tax of 3% is charged next Rs. 100 000 then an annual income tax 4% is charged next Rs. 100 000. 1) Calculate the income tax of Rs. 150 000? 		
2) Calculate the income tax of Rs. 225 000?		
3) If a businessman paid an annual income tax of Rs. 5000, find his annual income?		
b) It the quarter value of the assessment tan of a house was Rs 150 when its annual value was assessed as Rs 20, 000, then what is the interest rate the urban council charged? (10 marks)		
අධ්යාපන		
04. 14m Then diagram shows a land consisting of a rectangular part of land and a semicircular flower bed.		
1) Find the radias of the flower bed?		
2) Find the area of the flower bed?		
 If you decide to plant grass in rectangular portion, calculate the total cost to plant grass. (The cost of planting grass for 1m² is Rs. 150) 		
4) If you decide to make steel wire fence with 4 lines around the land, find the total length of steel wire that you need?		
(10 marks)		

5

Grade 10

a star the last star.

Mathematics

- 05. The pi chart shows about the number of students who learned From Grade 1 13 in a school.
 - 1) Find the magnitude of x
 - 2) If the students who learned in Grade 10 11 is 10 morethanthe students who learned in Grade 12 13, find the total Number of students whe learned all grades?



අධියාපන

3) If 25% of Grade 12 - 13 students are girls, find the number of boys In that grade?

Education

(10 marks)

ONLINE CLASSES - 2025 WEW ADMISSIONS 20 தவணை வகுப்புகள்

தரம் 6 முதல் O/L வரை

அனைத்து பாடங்களும் ஒரே கல்வி நிறுவனத்தின் கீழ் ...



இலங்கையின் எப்பாகத்திலிருந்தும் ZOOM APP மூலம் எமது வகுப்புகளில் இணைந்து கொள்ள முடியும்.





075 287 1457