Zonal Education Office - Jaffna.

Third Term Examination - 2011

Maths

Grade - 06 **Time : - 2 hours**

Part - I

Answer all question on this paper it self.

01.	How many days are there in the month of January.
02.	How many zeros are there in one million
03.	Evaluate :- 4503 + 1497
04.	Write in descending order: –6, 6, 0, –2
05.	If he largest angle of a triangle is greater than a right angle. What type of triangle is it.
06.	Write 100 as an addition of two square numbers.
07.	Give the golden ratio.
08.	Kannan has Rs. x, he spends Rs 5.00. How much is the balance now?
09.	Write 3.45 ℓ in ml
10.	Write the names of two solids which have plane surfaces and curved surfaces.

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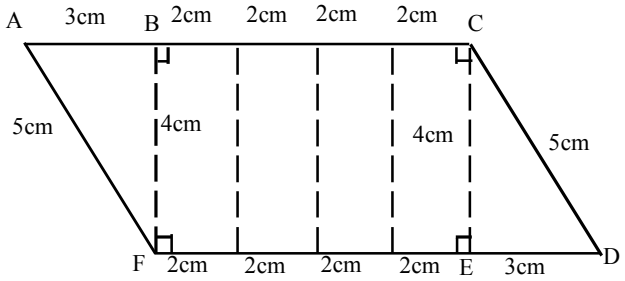
11.	Write 1cm in km
12.	Which two triangular numbers should be added to obtain the 9^{th} square number.
13.	What is the value of 7 in the number 4708.
14.	What is the unit used to measure the thickness of a coin.
15.	Convert 1530h in to normal clock time.
16.	Write two directions which are perpendicular to north east.
17.	Write " 12 pens for Rs 180" as a unit rate.
18.	Write the values of possibility of an event that cannot be definitely stated.
19.	If the area of a square is 361 cm^2 , find its length of a side.
20.	Write two fractions equivalent to $\frac{5}{7}$

(20 x 2 =40 Marks)

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Part II
Answer the first question and other four questions.

01. Answer the following questions according to the diagram given above.



i. What is the special name of figure BCEF? (1 Mark)

ii. How many squares of length of side 2cm are there in figure BCEF. (2 Marks)

iii. What is the special name of figure BCDF (2 Marks)

iv. What is the special name of the figure ACDF? (2 Marks)

v. What is the special name of the figure ABF? (2 Marks)

vi. Find the perimeter of figure ACDE (2 Marks)

vii. Cut the triangle ABF along Line BF and separate it then paste the triangles ABF and DEC So that AF lie on CD. What will be the new shape? (2 Marks)

viii. Find the a). length b) breadth c) area of the shape obtained in part vii (3 Marks)

02. Out of 25 students in a class, 7 students play foot ball, 8 play cricket, 3 play hockey and one play net ball.

Write the following numbers of students as a fraction of the whole students.

a) i. Students who play foot ball

ii. Students who play cricket.

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iii. Students who play hookey.

iv. Students who play netball.

v. Students who do not play any of these. (5 Marks)

b) i. How will call the above fractions.

ii. What type of fraction is the smallest from the above.

iii. Find the sum of the largest and the smallest fractions.

03. There are 40 students in a class. The mathematics assessment marks obtained by the students in the class are given below.

15, 13, 17, 18, 19, 12, 14, 16, 17, 15, 14, 13, 12, 16, 11, 14, 15, 12, 13, 11, 14, 16, 15, 18, 17, 19, 16, 15, 13, 12, 11, 14, 16, 15, 16.

i. What is the highest marks? (1 Marks)

ii. What is the lowest marks (1 Marks)

iii. Fill in the tally mark table given below.

Marks	Tally marks	No of students.
11		
12		
13		
14		
15		
16		
17		
18		
19		

(3 + 3 Marks)

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iv. What is the number of students who do not sit the exam. (1 Marks)

v. Write the numbers of students who got more than 16 marks as fraction of the students who sat the exam

04. a) i. Write the 5 type of angles. (2 Marks)

ii. Draw suitable figures to show each type and write down the types. (3 Marks)

b) Explain the shape of the faces of a regular tetrahedran. (2 Marks)

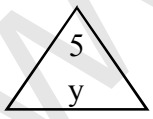
c) What is the standard unit to measure the length? (1 Marks)

d) How many digits must be used to write a time in standard form (24 hours clock time) (1 Marks)

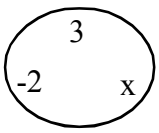
e) What is the relation ship between one billion and one million. (1 Marks)

f) If $\triangle$ = 540, $\square$ = 5 What is the value of $\triangle \div \square$ (1 Marks)

05.



A



B

a) i. Write the sum of the algebraic terms (unknown terms) in A and B. (2 Marks)

ii. Write the sum of the terms in B as an algebraic expression. (2 Marks)

iii. If the value of the algebraic expression obtained in part (2) is 8, find the value of x. (2 Marks)

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iv. If the sum of the terms in A is equal to the sum of the terms in B, then find the value of y (using this answer obtained in part (3)

(2 Marks)

b) i. Fill in the empty cage $4^3 + 6^2 = \square^2$ (1 Marks)

ii. What is the smallest even number that can be written with digits 2,3,4 and 5 (1 Marks)

iii. Give the above even number in nearest ten. (1 Marks)

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06. a) The weight of Kamala is 45kg. The weight of Vimala is 2kg more than Kamala, The total weight of Kamala, Vimala and Pathma is 132kg.

i. What is the total weight of Kamala and Vimala. (2 Marks)

ii. What is the weight of Pathma? (2 Marks)

iii. Who has the maximum weight? (1 Marks)

b) There is 4ℓ 700mℓ of water in a container of capacity 6ℓ 300mℓ. Find the volume of water in litre needed to full fill the container.

(2,1 Marks)

c) i. Separate the followings into two groups. (2 Marks)
dog, hen, goat, parrot, crow , deer, elephant.

Group I	Group II

ii. Write the suitable names for the above groups. (1 Marks)

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