B/DHARMADUTHA COLLEGE.
FIRST TERM TEST - 2017
MATHEMATICS

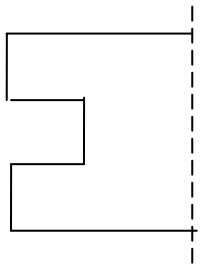
7 Grade

Time :- 2 hours

Part 1

- **Answer all the questions**

(01) complete the following figure so that you obtain a bilaterally symmetric figure

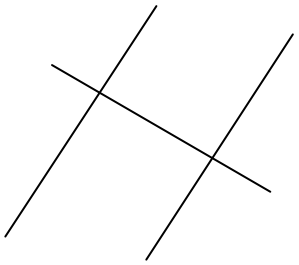


2. Write the set A= { KITHALELLA } in listing method

3. Find the value $12 \div 6 + 2$

4. The number 3 □ 4 is divisible by 4. Find the suitable digit for the empty space

5. Name a pair of parallel lines



6. write 4 multiples of 8

7. write as a product of power belongs

$2 \times 2 \times œ \times œ \times œ \times b$

8. to which millennium does the year you born belongs

9. expand and find the value of 3^3

10. Select leap years

A.D. 1816 , A.D. 1953 , A.D. 1800 A.D. 2017 , A.D. 1200 , A.D. 2008

11. Simplify $(12+8) \div (6-2)$

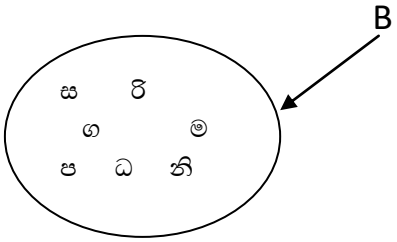
12. find the factory of 72

13. find the value of $3x^3$,if x=2

14. write 172 days,in months and days?

15. to which century does A.D.1978 belong?

16. write set B in description method

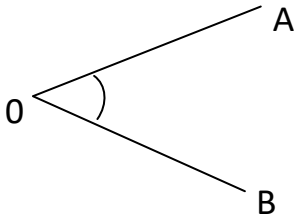


17. find the digital index of 567

18. 3 divided the number 78 ☐ Suggest two digits durable for the empty space.

19. find the H.C.F. of 24 , 36

20. Name the angle given in the figure



Part ii

- **Answer all the questions**

01)

a. $(8 + 6) \div 7 + 3$

1. Write mathematical operations in order in which they appear

11. find the value of it

b. 1. Draw a bilaterally symmetric figure such that each figure has only two axis of symmetry

C. 1. Write the base :-

Index :-

Of 3^4

111. find the value of the power which made by inter changing index and base of the power 3^4

(02)

a. 24 , 36 , 48

1. write above numbers as a product of prime number

11. find the. H.C.F. of 24 , 36 , 48

111. find the L.C.M. of 24 , 36 , 48

b. there are two towns named A and B.Once in every 12 minute a bus stared from town A and once innevery 15 minutes a bus started from town B. If there are two buses started 8.00 A.M from both A and B,at what time two buses started again from both A and Bat once.

(03)

a) A= { multiples of 3 between I and 20 }

1. write above set in listing method 11. Represents above set in Venn diagram.

b) 1. Add

	year	month	days
	08	11	22
+	05	04	19

11. thushara participated in sports training programme in England from 2011.03.15 to 2016.08.07

Find the total time he spend in England

C. What is the 1st date and the last date of the 20th century

(04)

a. 1. draw a straight line segment and name it as AB

11. Mark a point X such that the perpendicular distance from X to AB is 3.5cm

111. draw a line parallel to AB though X and name it as PQ

b. Find the value of (-4) + (+3) using a number line

C. Simply without using number line

1. (+3) + (-7) 11. (-6) + (-5) 111. (-4) + (+8)

(05)

A. $108 = A^X \times B^Y$, A and B are prime numbers.

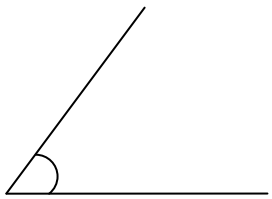
1. find the value of ABX and Y

b. 1. Expand $2X^2Y$

11. find the value of above expression, if x = 2 and y= 4

C.

1.Measure and write the magnitude of the given angle



111. Draw the angle XYZ = 120^0 by using protractor