



WP/PL - St. John's College - Nugegoda
First Term Test - 2020

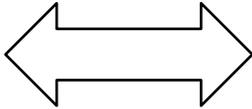
MATHS

Grade 07

Time -

Answer all the questions on this paper itself.

PART - I

- (1) $(2 + 5) \times 6 - 2$
- (2) Mark the numbers $-2, 3, 0, 4, -3$
- (3) Fill in the following blanks using a suitable inequality sign $>$, $<$ and $=$
 -5 -10
 0 8
- (4) Explain giving reasons whether number 67057 is divisible by 3.
- (5) Write the square numbers from 1st square number to 5th square number in the ascending order.
- (6) Find the highest common factor of 12, 18 and 24.
- (7) $A = \{ \text{Red, Orange, Yellow, Green, Blue, Indigo, Purple} \}$
Above set A is representing one of the three methods of a set. Name the method.
- (8) Draw the axes of symmetry of following symmetric .

- (9) Write 625 as a power of 5

- (10) Write number 64 in index notation with 6 as the index.
- (11) How many days for month of February in a leap year?
- (12) Simplify, $(-6) + (+2) =$
- (13) Expand $5x^2y^3$
- (14) Evaluate $5x^2y^3$ when $x = 3$ and $y = 2$.
- (15) Write down following decimal numbers in ascending order.
5.3 , 5.027, 5.701
- (16) Find the value of following expression when
 $x = 7$
 $15 - x$
- (17) Round off the following numbers to the nearest multiple of ten.
i) 79 ii) 25
- (18) Explains giving reasons whether number 24,561 is divisible by 9.
- (19) Write down following expression using index notation.
 $a \times a \times a \times a \times a \times a \times b \times b \times b \times b =$
- (20) Convert 42.5g in to mg.

St. John's College, Nugegoda

First Term Test - March 2020

Grade 07 - Mathematics

Time: 02 hours

Name:

No:

Part II

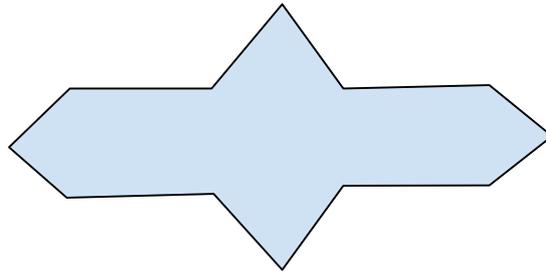
* First question is compulsory.

* Answer another 4 questions.

* First question contains 16 marks, other 4 questions contains 11 marks each

01. (i). (a). What is the number of symmetrical axis in the equilateral triangle? (m - 02)

(b).



Copy the above figure into your answer sheet and draw every axis of symmetry in it. (m - 03)

(ii). Solve

(a) $(+3) + (+7)$ (m - 02)

(b) $(+4) + (-2)$ (m - 02)

(c) 10×1000 (m - 02)

(d) $750 \div 10$ (m - 02)

(iii). Write your birthday and find your age with years, months and days (m - 03)

(Total Marks - 16)

02. (i). Write 48 as a product of prime factors. (m - 03)

(ii). Write down each of the following products using index notation

(a) $7 \times 7 \times 7 \times 5 \times 5$ (m - 02)

(b) $a \times a \times b \times a \times b \times a$ (m - 02)

(iii). Expand and write each of the following expressions as products

(a) $5^3 a^2$ (m - 02)

(b) $2^3 \times 3^3$ (m - 02)

(Total Marks - 11)

03. (i). Solve

(a) Months Days

$$\begin{array}{r} 3 \quad 20 \\ + 6 \quad 12 \\ \hline \hline \end{array} \quad (m - 02)$$

(b) Years Months Days

$$\begin{array}{r} 12 \quad 6 \quad 18 \\ + 14 \quad 5 \quad 19 \\ \hline \hline \end{array} \quad (m - 03)$$

(b) Years Months Days

$$\begin{array}{r} 12 \quad 6 \quad 18 \\ - 6 \quad 8 \quad 21 \\ \hline \hline \end{array} \quad (m - 03)$$

(ii). Write down the decades and centuries of following years

- (a) 2020 (m - 01)
(b) 2100 (m - 01)
(c) 1999 (m - 01)

(Total Marks - 11)

04. (i). Draw a straight line segment AB such that AB = 5cm

(ii). Draw a straight line segment CD that parallel to AB

(iii). Draw parallelogram ABCD (Total Marks - 11)

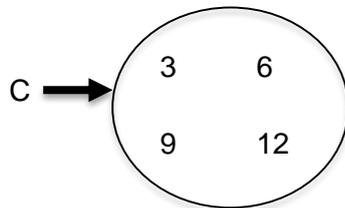
05. (i). A is prime number between 1 to 10.

- (a) Write A set using curly bracket
(b) Write A set in Venn diagram (m - 04)

(ii). Let B = {Multiple of 2 between 1 and 10}

- (a) Write B by listing its elements
(b) Draw B in Venn diagram (m - 04)

(iii).



- (a) Write the set (C) using it's common property. (m - 02)
(b) How many elements in C (m - 01)

(Total Marks - 11)

06. (i). Draw and mark following angles in your answer sheet.

- (a) Acute Angle (b) Right Angle (c) Obtuse angle (d) Straight angle (e) Reflex angle (m - 05)

(ii). Draw these angles using "protractor"

- (a) 35° (b) 90° (c) 75° (d) 145° (e) 180° (f) 270° (m - 06)

(Total Marks - 11)