

# ST. LAWRENCE HIGH SCHOOL

A JESUIT CHRISTIAN MINORITY INSTITUTION

Second Term Examination - 2018



Class : 5

Sub : Mathematics

F.M.: 90

DURATION: 2 Hrs 30 Mins

DATE: 30.07.2018

### Group A

1. Answer the following questions

(1x5=5)

- (a) The successor of 32,11,456 is  
(i) 32,11,455 (ii) 32,11,458 (iii) 32,11,457
- (b) The summation of 4.5 kg and 1.5kg is  
(i) 5kg (ii) 6kg (iii) 7kg
- (c) 50% of 20 is  
(i) 15 (ii) 10 (iii) 5
- (d) A plane is a collection of the following number of points  
(i) Infinite (ii) Finite (iii) 50
- (e) Measurement of right angle is  
(i)  $85^\circ$  (ii)  $60^\circ$  (iii)  $90^\circ$

2. Write true and false of the following.

(1x5=5)

- (a) Rounded off 4450 nearest to 1000 is 4000
- (b) 4.56kg is heavier than 4.5kg
- (c) A percentage is a way of expressing a number as a fraction of 10
- (d) A line segment is not a part of a line.
- (e) Circle is a polygon

3. Fill in the blanks.

(1x5=5)

- (a) The Roman numerals of 80 is.....
- (b) A ray is part of a .....
- (c) An angle whose measure is  $180^\circ$  is called a.....
- (d) Two lines lying in the same plane are called .....
- (e) An ..... triangle has two equal sides.

4. Match the column.

(1x5=5)

- |         |                       |
|---------|-----------------------|
| (a) 0.6 | (i) Three point two   |
| (b) 1.2 | (ii) Zero point three |
| (c) 3.2 | (iii) One point six   |
| (d) 0.3 | (iv) Zero point six   |
| (e) 1.6 | (v) One point two     |

5. Write yes or no of the following.

(1x5=5)

- (a) The largest six digit number is 999999
- (b) 12096 is greater than 12906
- (c) The face value of a digit in a number is the value of the digit itself, regardless of its position in the number.
- (d) Decimals with the same number of decimal places are called like decimals.
- (e) Three points not lying in the same straight line are called the non-collinear points.

### Group - B

6. Write very short answer of the following questions:

2x5=10

- (i) Write the predecessor of 23,12,354.
- (ii) Write 29654, 40865, 39572, 109754 in ascending order.

(iii) Write the place value of underlined digit: 205.627

(iv) How many surfaces a cube has?

(v) Draw a line segment  $\overline{AB}$ .

3x5=15

7. Write short answer of the following questions:

(i) Arrange the following numbers in descending order:  
861084, 1048, 1840, 61408.

Or

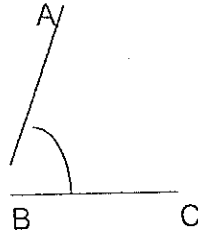
Compare the following numbers using  $>$ ,  $<$ , or  $=$ :

(a)  $47306 \square 38409$ ; (b)  $4829704 \square 4704892$ ; (c)  $8719758 \square 8719759-1$

(ii) Add the numbers:  $2.8m + 0.457m + 5.65m$ .

(iii) Convert 25% into a fraction in the lowest term.

(iv) Name the angle given below:



Or

Draw an angle and mark a point in the interior of the angle.

(v) Draw three collinear points.

Group - C

8. Answer the following questions:- (Any 8)

8\*5=40

1. Sourav weighs 35.725kg, Suman weighs 39.46kg and Subham weighs 30.998kg. Find out the total weight of those three boys.

2. Define and draw an isosceles triangle.

3. A bucket holds 55.69lit of water. If 25.96lit of water is poured out, how much water is left in the bucket?

4. There is 29.45 kg of sugar in one sack, what will be the quantity of sugar in 19 such sacks?

5. Sunita saves 10% of her pocket money. If her pocket money is Rs150 every month, how much money would she save in one year?

6. Draw a circle of radius 3cm with the help of your compass.

7. Define and draw scalene triangle.

8. Mr Dasgupta has to spend Rs 2000 on an event. But so far he has spent Rs 400 only. What percentage of total amount he has spent?

9. The weight of 24 boxes is 534kg. What is the weight of each box?

10. Define and draw a right-angled triangle.

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# ST. LAWRENCE HIGH SCHOOL

A Jesuit Christian Minority Institution  
SECOND TERM EXAMINATION - 2018  
CLASS - V



SUBJECT - MATHEMATICS SOLUTIONS

F.M.- 90  
Date:- 30.07.18

## Group - A

1.

(a)-(iii) ; (b)-(ii) ; (c)-(ii) ; (d)-(i) ; (e)-(iii)

2.

(a)-True; (b)-True; (c)-False; (d)-False; (e) False

3.

(a) LXXX; (b) Line; (c) Straight angle; (d) Coplanar lines; (e) Isosceles

4.

(a)- (iv); (b)- (v); (c)-(i); (d)-(ii); (e)-(iii)

5.

(a)-Yes; (b)-No; (c)-Yes; (d)-Yes; (e)-Yes

## Group - B

6.

(i) 23,12,353

(ii) 29654, 39572, 40865, 109754.

(iii)  $\frac{7}{1000}$  / 0.007 / 7 thousandth.

(iv) 6 surfaces

(v) A ————— B

7.

(i) 861084, 61408, 1840, 1048.

Or

(a)  $47306 > 38409$ ; (b)  $4829704 > 4704892$ ; (c)  $8719758 = 8719759$

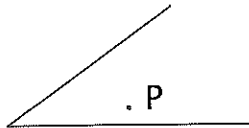
(ii) 8.907

i) Tithe Das Gupta 30/7/18  
ii) Partha Das 30.7.2018.  
iii) Pralay Kabi 30.7.2018  
iv) U. James Riji. 30.7.2018

(iii)  $\frac{1}{4}$

(iv)  $\angle ABC$

Or



(v) A — B — C

### Group - C

8.

- |                  |                  |
|------------------|------------------|
| 1. Sourav weighs | 35.725kg         |
| Suman weighs     | 39.460kg         |
| Subham weighs    | <u>30.998kg.</u> |

Total weight of them 106.183kg.

Ans The total weight of the three boys is 106.183kg.

2. A triangle whose two sides are equal is known as isosceles triangle. (fig)

- |                                      |                   |
|--------------------------------------|-------------------|
| 3. Quantity of water a bucket holds  | - 55.69lit        |
| Quantity of water poured out         | - <u>25.96lit</u> |
| Quantity of water left in the bucket | -29.73lit         |

Ans 29.73 lit of water is left in the bucket.

4. There is 29.45 kg of sugar in one sack

The quantity of sugar in 19 such sacks will be  $(29.45 \times 19) \text{kg} = 559.55 \text{kg}$

Ans In 19 sacks there is 559.55kg of sugar.

5. Percentage of money Sunita saves = 10%

Sunita's pocket money every month = Rs150

$$\begin{aligned}\text{Amount of pocket money Sunita saves every month} &= \text{Rs } \frac{10}{100} \times 150 \\ &= \text{Rs } 15\end{aligned}$$

$$\text{Amount of money Sunita saves in one year} = \text{Rs } 15 \times 12 = \text{Rs } 180$$

Ans Sunita saves Rs 180 in one year.

6. Construction

7. A triangle with all three sides of different length is called a scalene triangle.(fig)

8. Amount of money he has to spend - Rs 2000

Amount of money he already spent - Rs 400

$$\begin{aligned}\% \text{ of money he has spent} &= \frac{400}{2000} \times 100\% \\ &= 20\%\end{aligned}$$

Ans He has spent 20% of the total amount.

9. The weight of 24 boxes is 534 kg

$$\begin{aligned}\text{The weight of 1 box} &= (534 \div 24) \text{kg} \\ &= 22.25 \text{kg}\end{aligned}$$

Ans The weight of 1 box is 22.25 kg.

10. A triangle in which one angle is a right angle is called a right- angled triangle.(fig)

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