

2<sup>nd</sup> Summative Assessment Feb/March - 2019. \* 8th Standard mathematics Core subject BLUEPRINT ( Based on new pattern of sslc)

Marks : 40

Time : 1:30 Hours

Sl No	Content /Unit	REMEMBERING						UNDERSTANDING						APPLYING(INCLUDING ANALYSIS)						SKILL						TOTAL	
		mcq	Sa 1	Sa 2	La 1	La 2	La 3	mcq	Sa 1	Sa 2	La 1	La 2	La 3	mcq	Sa 1	Sa 2	La 1	La 2	La 3	mcq	Sa 1	Sa 2	La .1	L.a. 2	La .3	Mark s	Ques tions
			1	2	3	4	5		1	2	3	4	5		1	2	3	4	5		1	2	3	4	5		
9	Commercial arithmetic	-	-	-	-	-	-	1(1)	-	2(1)	-	-	5(1)	-	-	-	-	-	-	-	-	-	-	-	-	8	3
10	Exponents	-	-	-	-	-	1(1)	-	-	3(1)	-	--	-	-	-	-	-	-	-	-	-	-	-	-	-	4	2
11	Congruency of triangles	-	-	-	-	-	1(1)	-	2(1)	-	4(1)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7	3
12	Construction of triangles	-	-	-	-	-	-	1(1)	-	-	-	-	-	-	-	-	-	-	-	-	-	3(1)	-	-	4	2	
13	statistics	-	-	-	-	-	-	1(1)	2(1)	-	-	-	-	-	-	-	-	-	-	-	-	3(1)	-	-	6	3	
14	Introduction of graphs	-	-	-	-	-	-	1(1)	-	-	-	-	-	-	-	-	-	-	-	-	-	3(1)	-	-	4	2	
15	Quadrilaterals	-	1(1)	-	-	-	-	-	2(1)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	2	
16	Mensuration	1(1)	-	-	-	-	-	-	-	3(1)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4	2	
	<b>Total</b>	1(1)	1(1)	-	-	-		3(3)	3(3)	8(4)	6(2)	4(1)	5(1)	-	-	-	-	-	-	-	-	9(3)	-	-	40	19	

N.malatesha. A.M.high school section govt p u college.Srirampura.Hosadurga tq.chitradurga dt.

Signature of the teacher

Karnataka public school Srirampura. Hosadurga tq.

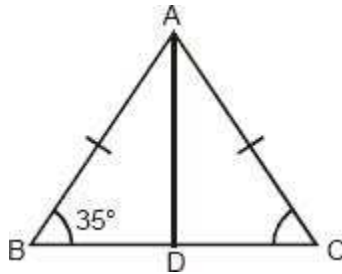
Second summative assessment. March – 2019.

Class :8<sup>th</sup> Sub: Mathematics. Time :1:30 Hour. Marks:40

**I Multiple choice questions ( select correct Answer )**

**1 x 4 = 4**

- 1) The simple interest on Rs 5,000 at 2% per month for 3 months is:  
(A) Rs 100      (B) Rs 200      (C) Rs 300      (D) Rs 400
- 2) In the given figure, AD is the median then find the  $\angle BAD$



- (A)  $35^\circ$       (B)  $55^\circ$       (C)  $70^\circ$       (D)  $90^\circ$
- 3) The reciprocal of  $\{\frac{2}{5}\}^{-1}$  is  
(A)  $\frac{2}{5}$       (B)  $\frac{5}{2}$       (C)  $-\frac{5}{2}$       (D)  $-\frac{2}{5}$
- 4) If the dimensions of a room are l, b and h, ( $\therefore$  l  $\rightarrow$  length, l  $\rightarrow$  breadth and h  $\rightarrow$  height) then which of the following is the area of its four walls?  
(A)  $2h(l+b)$       (B)  $2h(l+h)$       (C)  $2l(b+h)$       (D)  $2h+1+b$

**II Very short answer questions**

**1 x 4 = 4**

- 5) How many minimum elements required under a certain combination to construct a unique triangle.
- 6) Is primary data and Ungrouped data are same ?
- 7) Write the point which is equidistant from x-axis and y-axis.
- 8) Name the quadrilateral which has a pair of opposite sides parallel?

**III Short answers questions**

**2 x 4 = 8**

- 9) A shopkeeper buys a suit piece for Rs 1,400 and marks it 60% above the cost price. He allows a discount of 15% on it. Find the marked price of the suit piece and also the discount given.
- 10) In a  $\triangle ABC$ ,  $AB = BC$  and  $\angle B = 64^\circ$ . Find  $\angle C$ .
- 11) Two angles of a quadrilateral are  $70^\circ$  and  $130^\circ$  and the other two angles are equal. Find the measures of  $\angle S$

12) Find the mean weight from the following table.

Weight (kg)	29	30	31	32	33
No. of children	02	01	04	03	05

**IV Long answer questions**

**3 X 5 = 15**

13) Simplify

$$\frac{3^{-5} \times 10^{-5} \times 125}{5^{-7} \times 6^{-5}}$$

14) Construct a triangle ABC. whose perimeter is 14 cm and whose sides are in the ratio 2 : 4 : 5

15) Draw a histogram to represent the following frequency distribution.

Class – Interval	Frequency
20 – 25	5
25 – 30	10
30 – 35	18
35 – 40	14
40 – 45	12

16) Draw a graph of the straight line  $y = 5 - 3x$

17) Find the area of four walls of a room whose length 3.5 m ,breadth 2.5 m and height 3 m.

**IV Long answers questions**

**4 X 1 = 4**

18) Prove that, In a triangle , the angles opposite to equal sides are equal .

**V Long answers questions**

**5 X 1 = 5**

19) Hari bought two fans for Rs 2,400 each. He sold one at a loss of 10% and the other at a profit of 15%. Find the selling price of each fan and find also the total profit or loss.