RAJIV VIDYA MISSION (SSA) ANDHRA PRADESH

SUMMATIVE ASSESSMENT – 2 (MODEL PAPER) – JAN 2013

MATHEMATICS

(ENGLISH MEDIUM)

6TH CLASS   **TIME 2 ½ hrs**

Name of the student _____   **Roll no ____**

Academic Standard	Problem Solving					Reasoning And Proof			Communication			Connection			Representation			Subject Grade
Q.No	4	7	9	11	15	1	2	12	5	8	13	10	14	16	3	6	17	
Question Wise Grade																		
Academic Standard Wise Grade																		

I   **Solve the following**

  1) Find the three digit number which when divided by 75 , 45 and 60 leaves a) no remainder
     b) the remainder 4 in each case.

2) Renu takes $2\frac{1}{5}$ minutes to walk around the school ground. Smitha takes $\frac{7}{4}$ minutes to do the
   Same. Who takes less time and by what fraction?

3) Travelling time from Hyderabad to Tirupathi by different means of transport are:-
    car – 8 hrs,   Bus – 15 hrs,   train – 12 hrs,   aero plane – 1hr. Represent the information
    using bar diagram?

II   **Solve the following**

4) A bicycle industry makes 3,125 bicycles each day. Find the total number of bicycles
    Manufactured for the month of July?

5) State the differences between the set of whole numbers and set of integers.

6) Draw a circle and shade minor segment and major segment?

7) Add (-20), (-82), (-28) and 14.

8) Ravi has 'X' number of balls. Number of balls with Raju is 3 times of the balls with Ravi. Write
    This as an expression.

9) Solve **x-4 = 2.**

10) Give the examples for line segment from you surroundings?

11) Subtract $\frac{2}{3}$ from the sum of $\frac{4}{7}$ and $\frac{3}{2}$?

12) Find the smallest number that can be subtracted from 1965, so that it becomes divisible by 4

13) "One crore twenty seven lakhs thirty five thousand forty five" write this into International
       Number system.

14) Write the examples where you can observe the right angles

OBJECTIVE TYPE QUESTIONS

15) Fill in the blanks

1) The largest five digit number_____

2)79X101=_____

3) G.C.D. of 40and 56 is_____

4) Give an example of improper fraction_____

5) Solution of 2X+6=0 is_____

16)Match the following

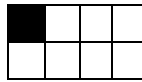1)$\frac{1}{2} + \frac{1}{4}$ ( ) a.$\frac{1}{4}$

2)   ( ) b. Perpendicualr lines

3)   L ⊥ m   ( ) c.$\frac{1}{8}$

4)   ( ) d. 10.5

5)$\frac{21}{2}$ decimal form   ( ) d. 0.75
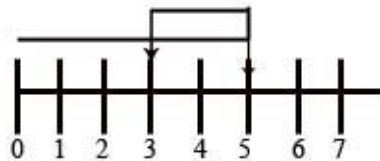
17) Choose the correct answer from the given multiple choices

      1) " 3 more of x is equals to 7 " represented as   ( )

        a)x − 3 = 7   b)x+7 = 3   c)x+3 = 7   x-7 = 3
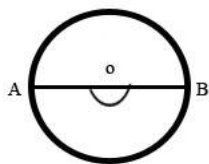
      2) Expanded form of 29,307 is   ( )

        a) 20000+9000+300+70+0   b) 200000+9000+300+0+7

        c) 29000+300+0+7   d) 29300+7

3)   Represents which of the following   ( )

        a) 3+2 = 5   b) 5-2 = 3   c) 5-3 = 2   d) 5+3 = 8

      4) the angle at 'O' is   ( )

      a) right angle b) acute angle c) straight angle   d) null angle

      5) The standard form of an even number is   ( )

        a) 2n+1   b) 3n   c) 2n-1   d) 2n

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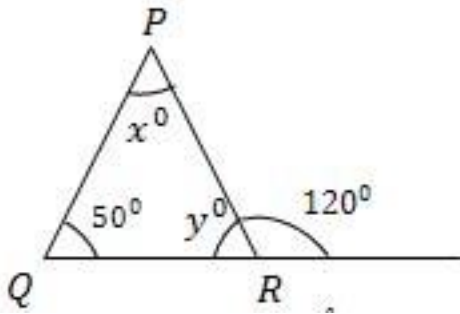
Summative Assessment -2 (Model Paper)

Mathematics

Class: - VII   Medium: -English

	Problem Solving					Reasoning			Communication			Connection			Representation		
Q.No	1	2	6	7	15	3	4	8	9	10	11	12	13	16	5	14	17
Grade																	
Competency Grade																	

I   Solve the following problems

1) A rain fall of 0.896 cm was recorded in 7 hours. What was the average amount of rain per hour ?

2) Solve $3(x-3) = 5(2x+1)$

3) Find the values of x^0 and y^0

4) Out of 12000 voters in a constituency, 60% voted. Find the numbers of people who did not caste their vote?

5) Draw a pie chart for the folowing data

Item Expenditure	Food	Health	Clothing	Education	Savings
Amout Spent	3750	1875	1875	1200	7500

II   Solve the following problems

6) Find the value of 625 x (-35) + (500) x 65

7) 10.05 x 1.05, find the value?

8) Deepak painted 1/8 part of a wall in a day. If he could work in the same manner, how many days

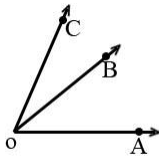   Will it take for him to complete ½ part of a wall to be painted?

9) If x=z, y=3,

3x ☐ x + y,   x+y ☐ xy   2y ☐ x+y
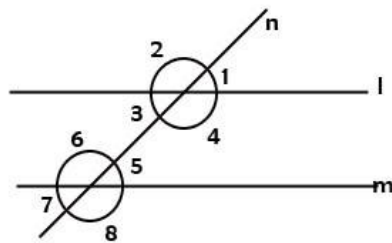
3x ☐ 2y,   x+y ☐ y-x   keep suitable (>, <, =) signs in the boxes

10)

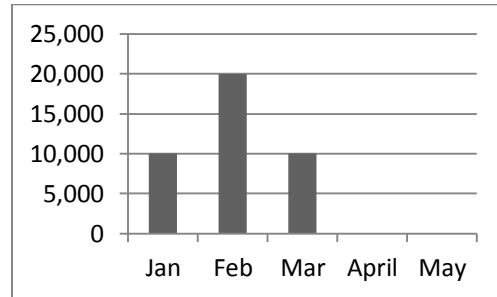Write adjacent angles of the figure

11)

If 'l' and 'm' are parallel to each other then write the angles which are equal?

12) In a right angled triangle acute angles are in the ratio 2:3, find the angles of the triangle?

13) Last year the cost of the rice bag was Rs.500/-. Now the cost is Rs.650/-. Find the percentage of increase of cost?

14) Observe the table and the diagram

Month	Jan	Feb	March	April	May
Earnings	10,000	20,000	10,000	15,000	5,000

Draw the earnings of April and May on the graph

15   Place the correct answer in the bracket

1) Value of $0 \div 50$ (   )
   a) 0   b) 50 c) 1 d) 500

2) $(-36) \div (-4)$ is   (   )
   a) -9 b) 9 c) 8 d) -8

3) $\underline{6}$ X 2 is   (   )
   7
   a) $\underline{6}$ b)1 $\underline{5}$ c)$\underline{12}$ d)$\underline{3}$
        14   7   14   7

4) X+5 = 9, then the value of 'x' is   (   )
   a) 14   b) -4   c) 4   d) -14

16   **Fill in the blanks**

1) 2m. 50cm : 4m = _____

2) Average of first 5 natural numbers = _____

3)

                                    x = _____

4) 3 : 4 :: 12 : _____

17   **Match the following**

Crop	2005	2006	2007	2008
Ground nuts	1000	1200	1500	1000
Jowar	1500	1400	1800	1200
Millets	2000	1600	900	1200

a) Mean profit on Ground nuts   ( ) a) 1425

b) Mean profit on Jowar   ( ) b) 1475

c) Mean profit on millets   ( ) c) 1175

d)   Crop got maximum profit in 2006   ( ) d) 1075

                                                    e) Ground nuts

                                                    f) Jowar,

                                                    g) Millets

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MATHEMATICS

(ENGLISH MADIUM)

VIII CLASS   **TIME 2 ½ hrs**

NAME OF THE STUDENT_____   **ROLL NO _____**

Education Standard	Problem Solving					Reasoning And Proof					Communication			Connections				Representation	Total Subject Grade
Question Number	1	5	6	7	17	2	8	9	10	18	11	12	13	4	14	15	16	3	
Question Wise Grade																			
Education Standard Grade																			

I   Solve the following

1) Find the solution sets of the following systems of equations

$$5x + 3y = 11;$$

$$3x + 5y = 13$$

2) A trader sells two cycles at Rs 1188 each and gains 10% on the first and loses 10% on the second.

   Find his profit or loss percent on the whole?

3) Shade the region on a graph paper which represents the solution set of the following inequation

   $x>0; y>0; 2x + 3y = 6$

4) The area of a circular grass field is 2464 sq.m. Find the cost for leveling the circular path width 1m.

   laid outside it at a cost of Rs. 1.85 per sq. m.

II   Solve the following

5) The area of a square is 4 hectares. Find the length of its side?

6) If $a : b = \dfrac{3}{5} : \dfrac{5}{7}$ and $b : c = \dfrac{3}{4} : \dfrac{2}{5}$ find $a : b : c$?

7) $x^2 - 8x + 15$ Resolve into factors

8) $\overline{3}$ is an irrational number and $\overline{27}$ is an irrational number. So $\overline{3}$ X $\overline{27}$ is an irrational number.

   Is this true? Why?

9) In a class of 26 students 8 members take tea, but not coffee. And 16 members take tea, find the

   Numbers of students take coffee only?

10) $\{1, 2, 3,...10\} \neq \{^x \; x \in N$ and $1 < x < 10\}$, state the reason?

11) Name the property indicated by the following example

   a) $\dfrac{8}{5}$ X $(\dfrac{2}{3} + \dfrac{3}{5}) = (\dfrac{8}{5}$ X $\dfrac{2}{3}) + (\dfrac{8}{5}$ X $\dfrac{3}{5})$

   b) 528 + 372 = 372 + 528

12) Area of trapezium $= \dfrac{1}{2}(a + b)h$. In this formulae what denotes a ,b and h ?

13) Express the following in the exponential notation

   a) 1296

14) If 'A' is the set of prime numbers less than 20 and 'B' is the set of whole numbers less than 10,

   Then find A∩B?]

15) If $2^n = 64$, find the values of 2^{n+2}, 2^{n-3}

16) If $x + y = 7$, $xy = 12$ find the value of $x^2 + y^2$

OBJECTIVE TYPE QUESTIONS

17) Fill in the blanks

1) The amount in 2 years of premium Rs. 800 at the rate of 5% is _____

2) If the side of a square is 10 cm. then the perimeter is _____

3) Express 24 as the product of prime factors _____

4) G.C.D of 30 and 45 is _____

18) Choose the correct answer from the given multiple choices

1) If 4:9 = x:63 then x=   (   )

   a) 36   b) 72   c) 28   d) 35

2) In a ΔABC, If AB $\perp$ AC then hypotenuse is (   )

   a) AB   b) BA   c) AC   d) None of these

3) If $(-1)^n$ = y, n is an even number then y = _____ (   )

   a) 1   b) -1   c)0   d) 2

4) $(a + b)^2 - (a - b)^2$ = _____   (   )

   a) 4ab   b) -4ab   c) a^2+b^2 d) 0

19) Match the foll0wing

1) A straight line divides the   (   ) a. 1

   Plane into __ number of set of points

2) Number of factors of x^4+3x^2+2x+1 (   ) b. 2

3) If 2x+3=13 then x =   (   ) c.3

4) G.C.D oh co prime numbers is   (   ) d. 4

                                        (   ) e. 5