**JIYA LAL MITTAL DAV PUBLIC SCHOOL**

**GRADE – VI SA-I (SEPT, 2015)**

**SUBJECT – MATHEMATICS**

**TIME: 3hrs. M.M-90**

1. **Multiple Choice Questions: (1marks each)**
2. The smallest 7-digit number ending in 5 is \_\_\_\_\_\_\_
3. 5555555 (b) 1111115

(c) 1000005 (d) 9999995

1. The smallest odd composite number is \_\_\_\_\_\_\_\_
2. 1 (b) 7 (c) 3 (d) 9
3. The absolute value of -8 is
4. -8 (b) 8 (c) 0 (d) 1
5. Line segment has \_\_\_\_\_\_ end points.
6. 1 (b) 2 (c) no (d) none of these
7. Line has \_\_\_\_\_\_\_ end points.
8. 2 (b) no (c) 2 (d) none of these
9. Standard unit of angle is \_\_\_\_\_\_\_\_\_
10. metre (b) gram (c) litre (d) degree
11. An angle whose measure is 90° is called \_\_\_\_\_ angle.
12. Acute (b) right (c) obtuse (d) straight
13. Two lines which do not intersect anywhere are called \_\_\_ lines.
14. Perpendicular (b) Intersecting

(c) Parallel (d) Concurrent

1. Representation of data by bars or rectangles is called \_\_\_\_\_\_ graph
2. Picto (b) bar (c) Data (d) Tally marks
3. Sum of angles forming a linear pair is always equal to \_\_\_\_\_\_\_\_\_\_
4. 90° (b) 360° (c) 180° (d) 270°
5. **Do all questions. Each will carry 2 marks.**
6. The number of different books in each row of a cupboard is given below. Arrange the data in a table using tally marks:

Row 1 23

Row 2 15

Row 3 26

Row 4 24

Row 5 19

1. In a given figure, write all the corresponding angles.

 L

 m

1. Write all the interior angles in the following figure:

 L

 m

1. How many degrees are in $\frac{2}{5} $right angle?
2. Arrange the measure of the following angles in descending order.

Obtuse angle, Straight angle, Zero angle, Right angle, Reflex angle, complete angle, Acute angle.

1. Write all integers between -5 and 2.
2. Write the following in ascending order.

5, -6, 17, -10, -21, 40

1. Find the sum on number line of 7+ (-5) + (-2)
2. Sum of two integers is 38. If one of them is -15. Find the other.
3. Find the value of 1343 X 567 – 343 X 567
4. **Do all questions. Each will carry 3marks)**
5. Ram deposited Rs. 67,530 in the bank. After a week, he withdrew Rs.29,311. What is the current balance in Ram’s account?
6. In a parade, the soldiers are arranged in 14 rows. If the number of soldiers 504. Find the number of soldiers in each row.
7. List the first five multiples of 18.
8. Find the LCM of 20, 25, 30 by common division method.
9. Give three examples of line segments from your environment.
10. Give three examples of objects having flat surface.
11. Give three examples from your environment of parallel lines.
12. Construct the line segment AB –CD if AB = 4.5cm and CD = 2.3cm.
13. How many line segments are there in the given figure? Write their names also.

A B

 o

D C

1. The following table shows the number of students in different clubs in a school. Prepare a bar graph using the scale unit length = 20 students.

 **Club No. of students**

Mathematics club 150

Language club 120

Science club 140

Dance and music club 180

A/C club 100

Computer club 120

1. **Long answer questions. (5marks each)**
2. Divide 7335 ÷ 122 . Also check your answer.
3. Find the HCF of 144, 204, 252 by continued Division Method.
4. If PQ=5.4cm and RS = 3.2cm. construct a line segment whose length is the difference of length of these line segments.
5. In the given figure lines l and m are intersected by a transversal p. Identify the following angles:
6. alt. angles of $∠a and ∠c .$
7. corresponding angles of $∠b anf ∠d$
8. all the interior angles.
9. All the exterior angles.

P

l

 m

1. What is the measure of the supplement of the component of 42° ?
2. Give below is the pictograph showing the number of vehicles passing through a busy crossing in Delhi at different timing of a particular day.

**Time No. of Vehicles**

7am to 9am

 9am to 11am

 11am to 1pm

 1pm to 3pm

 3pm to 5pm

5pm to 7pm

Now answer the following questions:

1. During which time of the day was traffic minimum.
2. How many vehicles passed the crossing from 7am to 9am?
3. How many vehicles passed the crossing from 11am to 1pm?
4. During which time of the day was traffic maximum.
5. How many vehicles passed the crossing from 3pm to 7pm?