**JIYA LAL MITTAL DAV PUBLIC SCHOOL**

**GRADE – VII SA-I (SEPT, 2015)**

**SUBJECT – MATHEMATICS**

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

**General Instructions:**

1. **The question paper consists of four sections A,B,C,D.**
2. **Section A consists of 10 questions of 1mark each, Section B consists of 10 questions of 2marks each, Section C consists of 10 questions of 3marks each, and Section D consists of 6 questions of 5marks each**
3. **All questions are compulsory.**

**Section-A**

1. Absolute value of is:
2. (b) (c) (d)
3. Compare
4. > (b) < (c) = (d) none of these
5. X+(Y+Z) \_\_\_\_\_\_\_ (X+Y)+Z
6. = (b) ≠ (c) > (d) <
7. Decimal form of is
8. 0.5 (b) 0.3 (c) 0.35 (d) 35
9. Which one is true?
10. (b)

(c) (d)

1. How many lines of symmetry can be in A?
2. One (b) two (c) three (d) infinite
3. The sum of three angles of a ∆ is
4. 360° (b) 180° (c) 90° (d) 60°
5. Which is not the condition of the congruent triangles?
6. SSA (b) RHS (c) SAS (d) ASA
7. is equal to
8. (b) (c) (d)
9. Fill in the box:
10. 20 (b) 28 (c) 16 (d) 14

**Section-B**

1. Express as a rational number with denominator 84.
2. Find the value of x, if
3. Find the value of:
4. The sum of two rational number is . If one of the number is find the other number.
5. Compute the product of decimal:

27 X 13.52

1. Simplify:
2. Convert 1,287,000 in the form K x 10n
3. Find from the given figure:

P

Q R X

1. Check given numbers are the sides of the triangle or not 6, 4, 8
2. If the dotted lines represent the lines of symmetry of the given angle, find the value of x.

**Section-C**

1. Arrange in ascending order:
2. Simplify:
3. Find the value of x
4. Simplify:
5. Complete the statement:
6. Y A

B C

1. The hypotenuse of a right triangle is 17cm long. If one of the remaining two sides is of length 8cm. find the length of the third side.
2. In fig, QX bisects as well as State the three facts needed to ensure that .

P

Q

R

1. In figure, prove that
2. Two poles of heights 6m and 11m stand on a plane ground. If the distance between their feet is 12m. find the distance between their tops.
3. How many lines of symmetry will the following have:
4. A nine-sided regular polygon
5. A quadrilateral
6. A Circle

**Section-D**

1. Simplify:
2. Simplify:

or

By

1. Simplify:

Or

If

1. In figure, find x and y

A

B C

Or

In the given figure, find the measure of

1. Arrange in ascending order:
2. Write 3 English alphabets each having
3. One line of symmetry
4. Two lines of symmetry
5. No lines of symmetry