Name: _____ R. No.___ Class/ Sec:_____ Date:_____ Invig. Sign_____

ATOMIC ENERGY CENTRAL SCHOOL, NARORA
CLASS VIII MATHEMATICS PERIODIC TEST FIRST 2018-19

MM: 40   TIME: 1:30 Hr.

General Instructions:
- All questions are compulsory and marks are mentioned in front of each question.
- Electronic devices are prohibited to use in the examination.
- Use Blue or Black Pen only.
- Don't write answer or objectionable things on question paper.
- Q. No 1 to Q. No 5 carry 1 mark each, Q. No 6 to Q. No 9 carry 2 marks each, Q. No 10 to Q. No 14 carry 3 marks each and Q. No 15 to Q. No 17 carry 4 marks each.

Q1- Write additive inverse of $\frac{-6}{-5}$

Q2- Solve: $2x - 3 = 7$

Q3- What is regular polygon? State the name of regular polygon having 3 sides.

Q4- How many elements are required to construct a quadrilateral?

Write the rational number that does not have a reciprocal.

Q6- The difference between two numbers is 66. The ratio of the numbers is 2: 5. find the numbers.

Q7- Three angles of a quadrilateral are 50°, 90° and 110°. Find the fourth angle.

Q8- ABCD is a rectangle. Its diagonal meet at O. Find x, if OA= 2x + 4 and OD= 3x+1

Q9- How many sides does a regular polygon have if each of its interior angle is 150^0

Q10- Write three rational numbers between -2 and 0.

Q11- Construct a rhombus BEND if BN= 5.6 cm and DE= 6.5 cm

Q12- The measures of two adjacent sides of a parallelogram are in the ratio 5:4. Find the measure of each angles of parallelogram.

Q13- Present age of Amit and Raj are in the ratio 4 5. Eight years from now the ratio of their ages will be 5:6. Find their present age.

Q14- Using appropriate properties find-

$$\frac{-2}{5} X \frac{3}{5} + \frac{5}{2} - \frac{3}{5} X \frac{1}{6}$$

Q15- The digit of a two digit numbers differ by 3. If the digits are interchanged and the resulting number is added to the original, we get 143, What can be the original numbers?

Q16- Construct a quadrilateral MAST where MA= 3 5 cm, AS= 6.5cm ∟ M= 75°, ∟A=105° and ∟S=120°.

Q17- A person has a total of Rs 40,000 as currency notes in the denominations of Rs100, Rs 50 and Rs 10. The ratio of the number of these notes is 2 : 3 : 5. How many notes of each denomination does he have?