



# TEST PAPER: MATHEMATICS

Time: 50 Minutes

Class: 8<sup>th</sup> C.B.S.E.

Max. Marks: 30 Marks

Date: 25<sup>th</sup> April, 2018

**Marking Scheme:** Three questions carry 10 marks each. Questions have 3 subparts each. Subparts (a) and (b) carry 3 marks each and subpart (c) carries 4 marks. Attempt any 3 questions.

## Question 1:

a. Represent each of the following rational numbers on the number line:

(i)  $\frac{5}{8}$                       (ii)  $-\frac{3}{16}$

b. Write the additive inverse of each of the following.

(i)  $\frac{2}{8}$                       (ii)  $\frac{-5}{9}$                       (iii)  $\frac{-6}{-5}$

c. Aaron is 5 years younger than Ron. Four years later, Ron will be twice as old as Aaron. Find their present ages.

## Question 2:

a. The sum of two numbers is 25. One of the numbers exceeds the other by 9. Find the numbers.

b. The sum of two consecutive multiples of 5 is 55. Find these multiples.

c. If  $\frac{3}{5}$ <sup>th</sup> of a number is 4 more than half the number, then what is the number?

## Question 3:

a. Find out two rational numbers lying between -3 and -2 using the mean method.

b. Find out ten rational numbers lying between  $\frac{7}{3}$  and  $\frac{4}{2}$  using the L.C.M. method.

c. Find x:

$$6x - 9 - 2(1 - x) = x + 9$$