

## FORMATIVE ASSESSMENT – II ( 2014 – 2015 )

## MATHEMATICS

CLASS : VI

TIME : 40 MINUTES

DATE : 01/06/2014

MARKS : 20

**Note :**

Do the calculations in working column.

Give necessary formulae and steps wherever required.

**SECTION A ( Each question carries 1 mark )**

- The even prime number is \_\_\_\_\_  
(a) 0 (b) 1 (c) 2 (d) the number itself
- The number of end points of a line segment is \_\_\_\_\_  
(a) 1 (b) 0 (c) 2 (d) infinite
- Which is the smallest digit to be filled in the blanks of 41\_67 to make it divisible by 9 ?  
(a) 9 (b) 5 (c) 0 (d) 3

**SECTION B ( Each question carries 2 marks )**

- Find LCM of 140 and 240.
- Find the common prime factors of 420 and 210.

**SECTION C ( Each question carries 3 marks )**

- Draw and label two intersecting lines  $\overleftrightarrow{AB}$  and  $\overleftrightarrow{PQ}$  meet at O.
- Using divisibility test determine the divisibility of 12158 by 6.
- Find the difference between the smallest four digit number and the smallest natural number. Also do prime factorisation of the resulting number.

**SECTION D ( Each question carries 4 marks )**

- There are 105 apples, 135 oranges and 180 plums. These are to be arranged in heaps containing the same number of fruits. Find the greatest number of fruits possible in each heap.