- **Fill in the blanks**

    1) The product of a number and its product is_____.

    2) The rational number _____ has no reciprocal.

    3) The reciprocal of -5 is _____.

    4) The rational number _____ is neither positive nor negative.

    5) _____ is the only rational number which is equals its additive inverse.

- **Solve the following**

    6) The product of two rational numbers is - 28/81. If one of them is - 2/3 then find the other.

    7) Find 3/7 + (-6/11) + (-8/21) + (5/22)

    8) Write additive inverse of the following:(a) -7/19   (b) 21/112

    9) Write definition of rational numbers. Give three examples.

    10) Arrange the following number in ascending number

    (i) 11/7,-2/5,3/15,7/3

    (ii) 45/7,-9/11,-8/5,3/4

- **Multiple Choice Questions**

    11) What should be added to -5/4 to get -1?

    (I) -1/4   (II) 1/4   (III) 1   (IV) -3/4

    12) What should be subtracted from -5/4 to get -1?

    (I) -1/4   (II) 1/4   (III) 1   (IV) -3/4

    13) Which of the following is the additive identity element?

    (I) 1   (II) -1   (III) 0   (IV) None of these

    14) Which of the following is the Multiplicative identity for rational numbers?

    (I) 1   (II) -1   (III) 0   (IV) None of these

    15) Which of the following is neither a positive nor a negative rational number?

    (I) 1   (II) 0

    (III) Such a rational number does not exist   (IV) None of these

    16) Which of the following lies between 0 and -1?

    (I) 0   (II) -3   (III) -2/3   (IV) 4/3

    17) Which of the following is the reciprocal of a?

    (I) -a   (II) a   (III) 1/a   (IV) -1/a

    18) Which of the following is the product of 7/8 and -4/21?

    (I) -1/6   (II) 1/12   (III) -16/63   (IV) -147/16

    19) Which of the following is the product of (-7/8) and 4/21?

    (I) -1/6   (II) 12   (III) -63/16   (IV) -16/147

    20) Which of the following number has not its reciprocal?

    (I) -1   (II) 1   (III) 0   (IV) The number itself