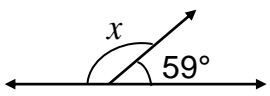


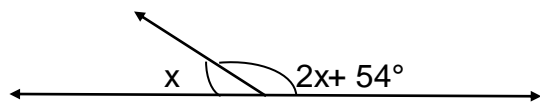


- (n) Write two rational numbers equivalent to :  $\frac{-7}{4}$  1
- (o) Multiply  $\frac{-60}{21}$  by  $\frac{7}{30}$  1
- (p) Simplify (  $7^{18} \div 7^{15}$  ) 1
- (q)  $\frac{x}{6} = \frac{5}{3}$  Find the value of  $x$ . 1
- (r) Find the value of '  $x$  ' in the given figure  1
- (s) Express 3905708 in scientific notation 1
- (t) Find the sum of  $3a + b$  ;  $5a - 2b$  1

**Q.NO**

**SECTION 'B'-( '2' MARKS EACH ) – TOTAL – 12 MARKS**

**Marks**

- (2) Identify the smaller number  $2^6$  or  $6^2$  ( Show the working ) 2
- (3) Solve  $5x - 6 = 4x - 2$  2
- (4) Find the value  $x$  in the given figure  2
- (5) Find the sum (  $\frac{-4}{5}$  ) +  $\frac{2}{3}$  2
- (6) Find the product using suitable property :  $(-7) \times (-125) \times (8) \times (-6)$  2
- (7) Identify the terms and their factors by factor tree.  $-3a^2b + 7ab^2$  2

**Q.NO**

**SECTION 'C'-( '3' MARKS EACH ) – TOTAL – 24 MARKS**

**Marks**

- (8) Write 968 in power notation using prime factorization 3
- (9) The sum of two vertically opposite angles is  $156^\circ$ . Find each of the angles. 3
- (10) Which is greater ?  $[-15 + (-43)] \times 7$  or  $[-17 + (-34)] \times 5$  3
- (11) Find the value of  $m$ .  $5^{-3} \times 5^6 = 5^{2m-1}$  3

