

**LINE (Q 3, PAPER 2)**

**LESSON NO. 2: DIVISION OF A LINE**

**2006**

3 (b) The line  $K$  has positive slope and passes through the point  $p(2, -9)$ .  $K$  intersects the  $x$ -axis at  $q$  and the  $y$ -axis at  $r$  and  $|pq|:|pr| = 3:1$ . Find the co-ordinates of  $q$  and the co-ordinates of  $r$ .

**2004**

3 (a)  $a(-1, 4)$  and  $b(9, -1)$  are two points and  $p$  is a point in  $[ab]$ . Given that  $|ap|:|pb| = 2:3$ , find the co-ordinates of  $p$ .

**ANSWERS**

**2006** 3 (b)  $q(8, 0), r(0, -12)$

**2004** 3 (a)  $p(3, 2)$