Consider the lines given by

$L_1: x + 3y - 5 = 0$

$L_2: 3x - ky - 1 = 0$

$L_3: 5x + 2y - 12 = 0$

Solution:

$\Rightarrow 12k + 2 + 93 - 30 - 25k = 0$

$\Rightarrow 65 - 13k = 0$

$\Rightarrow k = 5$

$(A) \rightarrow (s)$

(B)One of L_1, L_2, L_3 is parallel to at least one of the other two, if

$\dfrac{3}{k} = -\dfrac{1}{3}$ or $-\dfrac{5}{2}$

$k = -9$ or $-\dfrac{6}{5}$

$(B) \rightarrow (p), (q)$

	COLUMN I	COLUMN II
(A)	L_1, L_2, L_3 are concurrent, if	(p) $k = -9$
(B)	One of L_1, L_2, L_3 is parallel to at least one of the other two, if	(q) $k = -\dfrac{6}{5}$
(C)	L_1, L_2, L_3 form a triangle, if	(r) $k = \dfrac{5}{6}$
(D)	L_1, L_2, L_3 do not form a triangle, if	(s) $k = 5$