



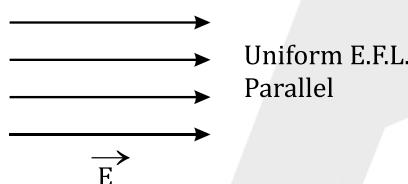
Solution of DPP - 3

Link to View Video Solution: [Click Here](#)

1. (i) Non-Uniform
 (ii) $|q| \propto$ No of E.F.L.

$$\frac{q_A}{q_B} = \frac{12}{8} = \frac{3}{2}$$

 (iii) E.F.L originate from q_A & terminate on q_B so $q_A = +ive$ & $q_B = -ive$
 (iv) E at c is zero
 so c is neutral point
 (v) E.F.L terminate on - ive charge are infinite.
2. E.F.L originate from 1 & 3
 & terminate on 2.
 So 1 & 3 is + ive
 & 2 is - ive.
- 3.



4. Strength of Electric Field \propto density of E.F.L
 $E_A > E_B$
5. Electric field lines Perpendicular to equipotential surface
6. E. F. L terminate on q_1 & q_2
 So both are negative.
7. From Property of E.F.L.
 Option - B
8. Option - D

