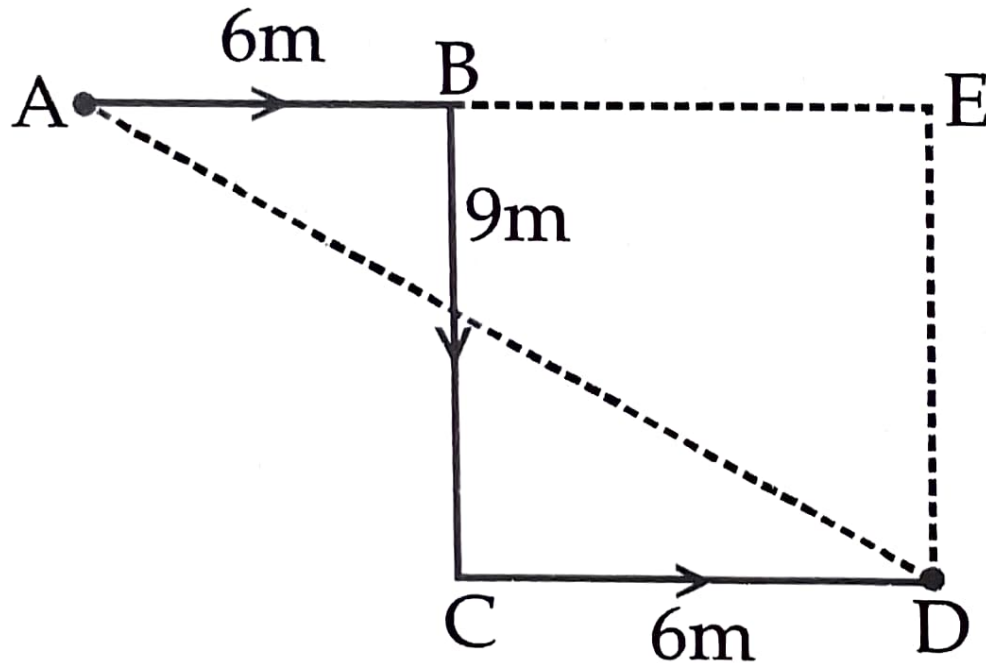


Movements of Shyam are as shown in the figure given below:



A = Starting point

D = End point

$$AD = \sqrt{AE^2 + ED^2} ; \text{ Here } AE = AB + BE (=CD)$$

$$= (6 + 6) = 12\text{m}$$

$$\& ED = BC = 9\text{ m}$$

$$AD = \sqrt{12^2 + 9^2} = \sqrt{144 + 81} = \sqrt{225} = 15\text{m}$$