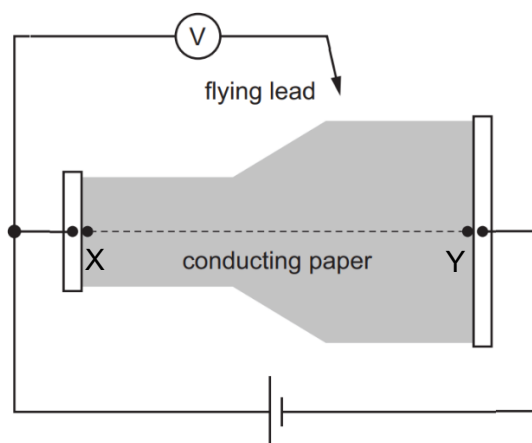


- 23** A sheet of conducting paper of uniform thickness is cut to the shape shown and a battery is connected to each end by aluminium strips. A high resistance voltmeter is also connected as shown.



The flying lead of the voltmeter is placed in contact with the conducting surface at X and the reading is noted. This is repeated for a large number of points along the line XY, ending at point Y.

The readings are plotted on a graph of voltmeter reading against distance from X.

Which diagram shows the correct shape of the graph?

