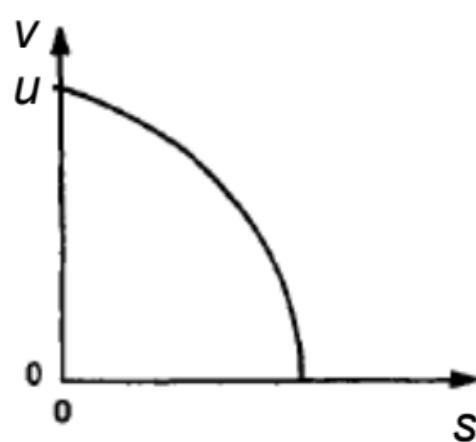
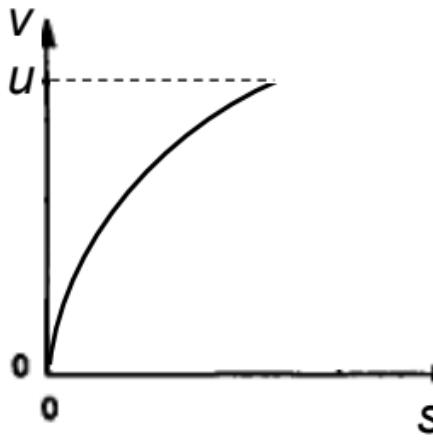


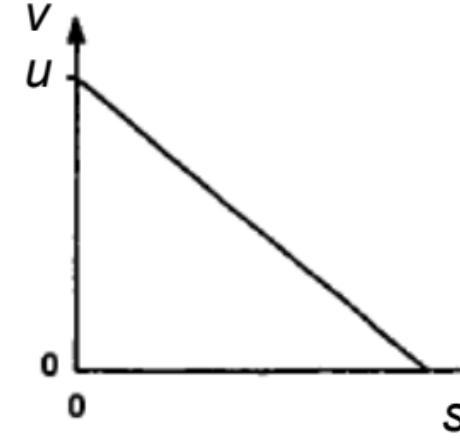
- 3 A stone falls vertically and strikes soft ground with speed u . The stone experiences constant deceleration until it comes to rest. Which graph shows the variation of speed v with distance s below the ground surface?



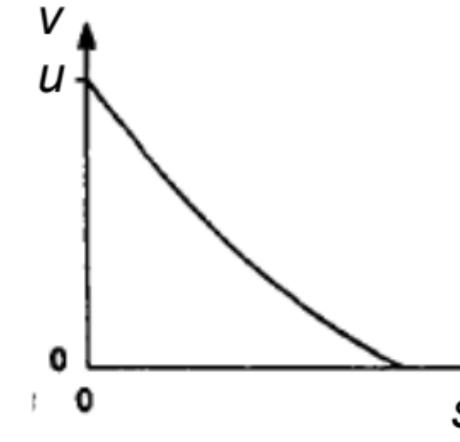
A



B



C



D

- 4 A particle X with kinetic energy E_1 collides with a stationary particle Y. Both particles have the same mass.