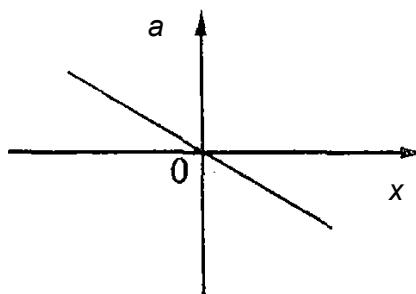
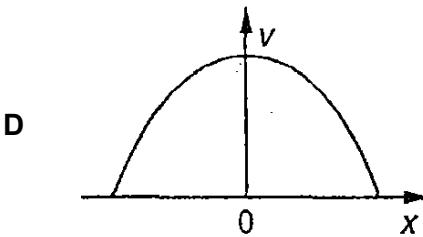
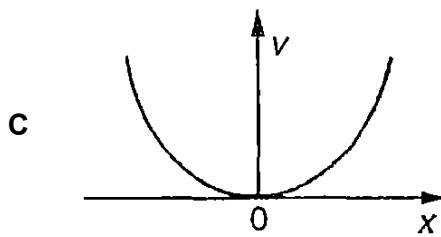
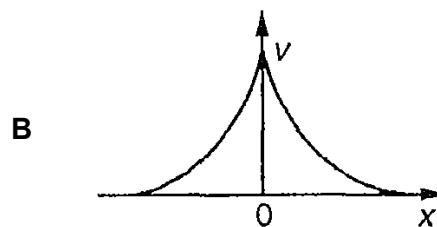
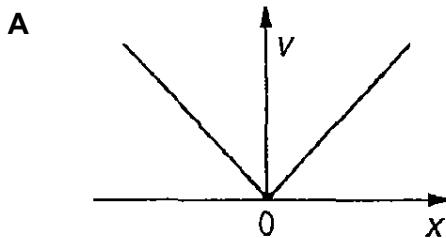


- 16 A particle moves such that its acceleration  $a$  is related to its displacement  $x$  from a fixed position as shown in the graph below.



Which of the following best illustrates how the speed  $v$  varies with  $x$ ?



- 17 Which one of the following effects provides direct evidence that light is a transverse, rather than longitudinal, wave?