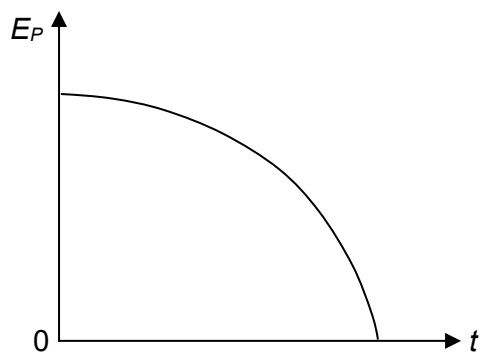


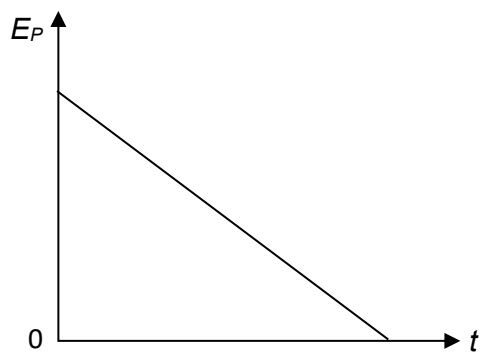
- 6 An object falls freely from rest. After time t , its displacement from origin is s .

Which graph(s) shows the correct relationship of how gravitational potential energy E of the ball varies?

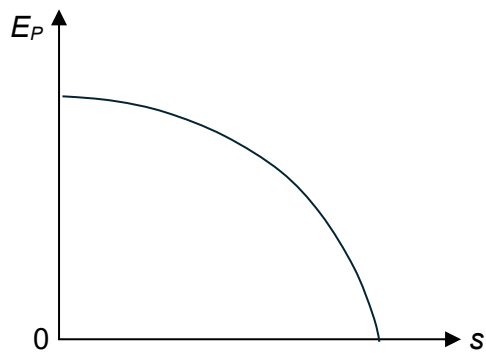
(i)



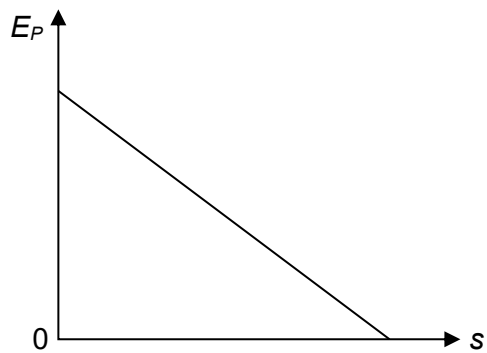
(ii)



(iii)



(iv)



- A** (i) and (iii) only
B (i) and (iv) only
C (ii) and (iii) only
D (ii) and (iv) only