

MOTION

6. The speed-time graph is given below, which part of the graph represents Non uniform motion ()



4. The displacement of a particle starts from rest is proportional to the square of the time then particle is in ()

- A) Uniform acceleration B) Uniform velocity
C) Increasing velocity D) Decreasing velocity

5. A particle starts moving from rest with uniform acceleration. It travels a distance of 'x' in the first second and distance 'y' in the next second then ()

- A) $y = x$ B) $y = 2x$ C) $y = 3x$ D) $y = 4x$

6. A motor boat starting from rest on a lake accelerates along a straight line at the rate of 2m/s^2 for 20s. How far the boat travelled during this time ()

- A) 100m B) 200m C) 300m D) 400m