

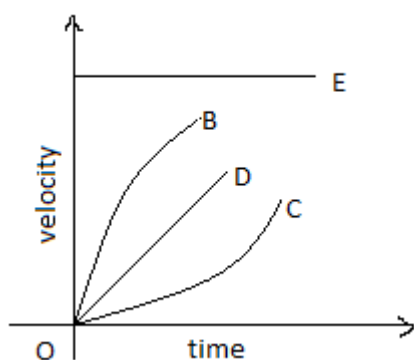
1.

E- Graph represents zero velocity

OB-Graph represents velocity decreasing

OD-Graph represents velocity constant

OC-Graph represents velocity increasing



2.

E-Graph represents velocity constant

OB-Graph represents acceleration decreasing

OD-Graph represents acceleration constant

OC-Graph represents acceleration increasing

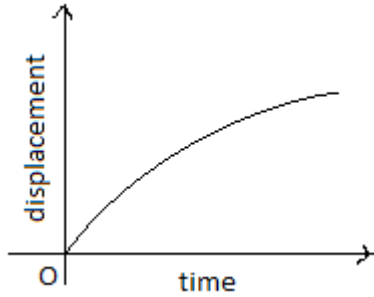
3. Which of the following graphs represent motion with uniform speed?

(a) S-T graph, straight line parallel to time axis

(b) V-T graph, straight line parallel to time axis

(c) S-T graph, straight line equally inclined to both the axis

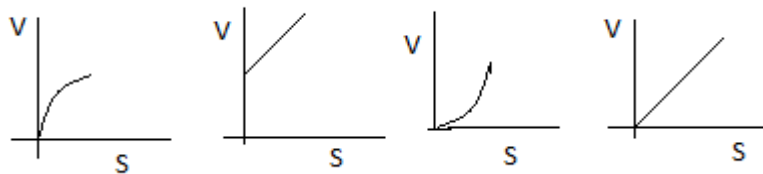
(d) V-T graph, straight line inclined at  $135^\circ$  to time axis



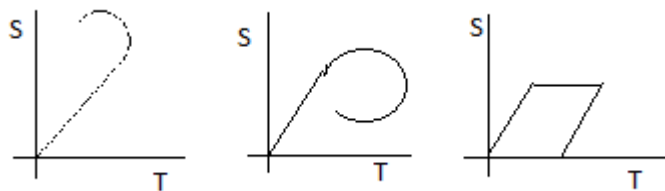
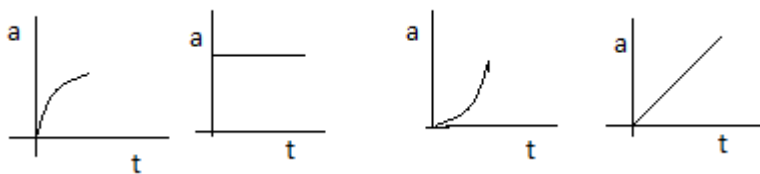
4. The displacement-time graph is as shown.

- (a) The particle starts with a certain velocity, then retards and finally stops.
- (b) The velocity is constant throughout.
- (c) The acceleration is constant throughout
- (d) The particle starts with some velocity, accelerates and finally moves with constant velocity.

5. A body starting from rest moves along a straight line with constant acceleration. Which of the following represents the correct V-S graph?



6. If velocity-time graph is equally inclined to both the axis and passing through the origin, which of the following will be the corresponding acceleration-time graphs?



7. Is there any problem with the above graphs?

Is there any problem with the