2 MOTION			
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- 1. The area under velocity time graph represents the
  - a) velocity of the moving object.
  - b) displacement covered by the moving object.
  - c) speed of the moving object.
  - d) acceleration of the moving object.

## 2. Which one of the following is most likely not a case of uniform circular motion?

- a) Motion of the Earth around the Sun.
- b) Motion of a toy train on a circular track.
- c) Motion of a racing car on a circular track.
- d) Motion of hours' hand on the dial of the clock.

## 4. The centrifugal force is

- a) a real force.
- b) the force of reaction of centripetal force.
- c) a virtual force.
- d) directed towards the centre of the circular path.

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1. Speed is a	quantity whereas velocity is a	quantity.
2. The slope of the dis	tance – time graph at any point gives	_
3. Negative acceleration	on is called	
4. Area under velocity	– time graph shows	

## III. State whether true or false.

- 1. The motion of a city bus in a heavy traffic road is an example for uniform motion. TRUE / FALSE
- 2. Acceleration can get negative value also. TRUE / FALSE
- 3. Distance covered by a particle never becomes zero but displacement becomes zero. TRUE / FALSE
- 4. The velocity time graph of a particle falling freely under gravity would be a straight line parallel to the x axis. TRUE / FALSE
- 5. If the velocity time graph of a particle is a straight line inclined to X-axis then its displacement time graph will be a straight line. TRUE / FALSE

