2. A ball is projected vertically up with a speed of 50m/s.
   a. Find the maximum height.
   b. Find the time to reach the maximum height.

3. Give an example for the motion of an object of zero speed and with non zero acceleration.

4. A stone is thrown upward direction, then its speed is _____ ( )
   A) Increase   B) Decrease   C) no change   D) None

5. When the body fall freely is called _____ ( )
   A) Weight   B) mass   C) weightless   D) none

4. The force of attraction on the body due to Earth is ----- ( )

   A) weight   B) mass   C) A and B   D) frictional force

5. The weight of an object whose mass is 10kgs------ ( )

   A) 98 Newtons   B) 89 Newtons   C) 9.8 Newtons   D) 8.9 Newtons

5. The point where total weight appear to act is called ( )

   A) Centre of gravity   B) Centre of equilibrium

   C) Mid Point   C) Equilibrium point

6. Correct position of the gravity located to the given object _____ ( )

   A)   B)
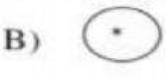
   C)   D)

7. The average position of weight distribution is simply the _____ ( )

   A) Centre of velocity   B) Centre of gravity

   C) Centre of acceleration   D) Contact force

5. The point where total weight of the body appears to act is called _____. ( )

A) Centripetal force   B) Centre of gravity   C) centre of curvature   D) Centre of momentum

4. Observe the objects of different shapes and tell that their stability is depends on base area or not?

5. The location of _____ is important for stability ( )

   A) Centre of velocity   B) Centre of curvature

   C) Centre of momentum   D) Centre of gravity

6. Which of the following is more stable _____ ( )

   A) Bus   B) Bicycle   C) a and b   D) none