

## ASSIGNMENT

### CHP-10 Motion and Measurement of Distances

#### Class -VI

1. Give two examples of periodic motion?
2. Shamvavi's height is 3.75m .Express it in cm and mm?
3. The length of a table is 5890mm.Express it in cm and m.
4. Why is foot step not used as standard unit of length?
5. While measuring the length of paper clip, the reading of the scale at one end is 1.0 cm and on the other end is 4.7 cm. What is the length of paper clip?
6. The distance between main gate of Red fort and India Gate is 4279m .Express it in km?
7. Arrange the following lengths in increasing order : 10km;10mm;10cm;10m
8. Identify the types of motion when the ball is rolling on a ground.
9. Classify the following into different types of motion in these :
  - a) walking
  - b) The wheels of a moving car .
  - c) A falling stone;
10. Give an example for following types of motion:
  1. Linear Motion. 2. Circular Motion. 3. Rotatory Motion. .
11. What is the significance of measurement?
12. What are the different means of transport on land, air and water?
13. What is the need of standard unit for measurements?
14. What are multiple motions? Explain?
15. How can you measure length of a curved line?
16. What are the three precautions taken while measuring the objects correctly?
17. What are the characteristics of standard unit of measurement?
18. Name one object that shows multiple motions?
19. How will you express length in SI system?
20. What types of motion is noticed in the pendulum of clock and swing?
21. What kind of motion is represented by an apple falling from a tree ?
22. Motion in which the distance from the axis remain same?

23. To and fro motion of a body about a fix point is example of what type of motion?
24. What is motion?
25. What is measurement?
26. What is unit?
27. While measuring the length of a knitting needle, the reading of the scale at one end is 3.0 cm and on the other end is 33.1 cm. What is the length of needle?
28. Can an object be in motion and rest simultaneously for different observer? Give an example
29. Give two examples of measurement that are important in our day to day life.
30. Why do stars appears to be at rest, though they are moving very fast?
31. Is the hour hand of a clock at rest or in motion when the clock is on the wall and showing time ?
32. What kind of watch is used to measure time in a sport event and why?
33. A train covers a distance of 120 kms from Faridabad to Agra. Convert this distance into meters.
34. A 30 cm scale has a broken end. The mark at the broken end is 1.6 cm.
- a) Which mark of this scale will you use for measuring the length of an object.
- b) How much will you subtract from the scale reading at the length of an object to get the correct length.
35. A man riding a scooter travels a distance of 50m .Convert it into cms and kms..
- 36.. Classify the following motions into different types—
- a). Cyclist on a straight, plane road                      b). Plucked string of a sitar
- c) Tip of hand of a clock                                      d). A tone falling from a rooftop
- e). Motion of a swing
37. Define the following (a) Rectilinear Motion (b) Periodic Motion (c) Rotational Motion
38. While measuring the length of a knitting needle, the reading of the scale at one end is 3.0 cm and the other end is 33.1 cm. What is the length of the needle?
39. How is circular motion different from rotational motion?