



Test / Exam Name: Motion And Measurement Of Distances

Standard: 6th

Subject: Science

Student Name: .....

Section: .....

Roll No.: .....

Questions: 18 Time: 01:00 hh:mm Marks: 30

## Instructions

1. New Section on new page
2. Make sure to write in good handwriting
3. Read the questions properly.

### SECTION-A

- Q1.** Which of the following is not a standard unit of measuring length? **1 Mark**
- A Millimetre                      B Centimetre                      C Kilometre                      D Handspan
- Q2.** Fill in the blank: **1 Mark**  
Motion of a child on a swing is \_\_\_\_\_.
- Q3.** Fill in the blank: **1 Mark**  
One metre is \_\_\_\_\_ cm.
- Q4.** Fill in the blank: **1 Mark**  
Five kilometres is \_\_\_\_\_ m.
- Q5.** Fill in the blank: **1 Mark**  
Motion of wheel of a bicycle is \_\_\_\_\_.
- Q6.** Fill in the blank: **1 Mark**  
Motion of the needle of a sewing machine is \_\_\_\_\_.
- Q7.** Read the following statements and mark True (T) or False (F) against each. **1 Mark**  
1km = 100cm
- Q8.** Read the following statements and mark True (T) or False (F) against each. **1 Mark**  
The motion of a car moving on a straight road is an example of linear motion.
- Q9.** Read the following statements and mark True (T) or False (F) against each. **1 Mark**  
Any object which is changing its position with respect to a reference point with time is said to be in motion.

### SECTION-B

- Q10.** While measuring the length of a knitting needle, the reading of the scale at one end is 3.0cm and at the other end is 33.1cm. What is the length of the needle? **2 Marks**
- Q11.** Why can a pace or a footstep not be used as a standard unit of length? **2 Marks**
- Q12.** Arrange the following lengths in their increasing magnitude: **2 Marks**  
1 metre, 1 centimetre, 1 kilometre, 1 millimetre.
- Q13.** The distance between Radha's home and her school is 3250m. Express this distance into km. **2 Marks**
- Q14.** Give two examples each, of modes of transport used on land, water and air. **2 Marks**
- Q15.** Suppose the distance between your school and home is 1.5km. Express it in metres. **2 Marks**

### SECTION-C

- Q16.** Write the similarities and differences between the motion of a bicycle and a ceiling fan that has been switched on. **3 Marks**
- Q17.** Give two examples of periodic motion. **3 Marks**
- Q18.** A rollercoaster track is made in the shape shown in Figure. A ball starts from point A and escapes through point F. Identify the types of motion of the ball on the rollercoaster and corresponding portions of the track. **3 Marks**

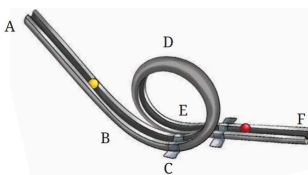


Fig. 5.19: Rollercoaster track