WORK SHEET
SCIENCE CLASS-7

Chapter – Motion and Time

Very short answer type questions:
Question 1: Which instrument is used to measure total distance covered by a vehicle?
Question 2: What is the SI unit of speed?
Question 3: Which instrument can measure time most accurately?

Question 4: Match the following:

	Column 1	Column 2
1	Christian Huygens	Sundial
2	Jantar Mantar	366 days
3	Speedometer	Pendulum clock
4	Leap year	Speed in km/hr
5	Sand glass	Flow of sand

Q5.Give one word for the following:

a. Distance covered in unit time---

b. Time taken by pendulum to complete one oscillation.---------------

c. Time taken by Earth to complete one rotation.----------------------------

d. Two places in India where sundials are located.------------------------

e. Number of oscillations in 1 second.--

Short answer type questions:
Q6. What do you understand by the term 'rest' and 'motion'?

Q7. Give two examples of events that repeat after a fixed time interval.

Q8. Differentiate between uniform and non uniform motion.

Long answer type questions:
Q9.With the help of an activity explain how will you measure the time period of a pendulum?

Q10. What do you mean by distance time graph? How is it helpful?

Numericals:

Question 11. A simple pendulum takes 42 s to complete 20 oscillations. What will be the time period of the pendulum?

Question 12.Salma takes 25 min from her house to reach her school on a bi cycle. If the bicycle has a speed of 2min/s, then what will be the distance between her house and school?

Question 13. A car moves with a speed of 40 km/hr for 15 min and then with a speed of 60km/hr for next 15 min.Calculate the total distance covered by the car.

Question 14. A boy jogs 10 metre in 5 sec.

a. What is his speed?

b. How far would he travel in 100 sec?

Question 15. The table shows the time taken and the distance covered by a cyclist in seconds and metres respectively. Draw a distance-time graph.

Time	Distance
0	0
5	4
10	8
15	12
20	16

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