

CBSE Practice papers

MOTION AND MEASUREMENT OF DISTANCES

class-6-Science Number of Questions: 65

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1

Which of these modes of transport is the most suitable if one wants to travel to other countries?

- Aeroplane Bus Car Train

2

Long time ago, people used to move only on foot and carry goods on _____

- A bullock cart Their back and animals Bus Train

3

The invention that made a great change in the mode of transport in ancient days is:

- Bullock cart Wheel Boat Bus

4

The invention that introduced a new source of power in transportation is:

- Gas engine Steam engine Water engine Alternating current

5

Which of the following animals served the purpose of transportation in ancient times?

- Dogs Deers Donkeys Rabbits

6

The comparison of an unknown quantity with a known quantity is known as:

- Comparison of quantities Measurement Quality Motion

7

In 1790, a standard unit of measurement called metric system was introduced by:

- The French The Egyptians The Indians The Romans

8

SI unit of length is:

- Meter Kilometer Millimeter Inch

9

The unit that was used to measure length before the standard unit came into existence was:

- Meter Kilometre Hand span Inches

10

The ancient Romans used to measure length with their:

- Length of leg Hand Pace Cubit

11

The length measured from the elbow to finger tips is called:

- Span Cubit Arm length Foot

12

The distance of one full step is:

- Span Cubit Pace Yard

13

The thickness or width of the index finger is:

- Arm length Digit Meter Span

14

The distance between the end of an outstretched arm and the chin is:

- Yard Meter Arm length Span

15

A 'foot' in measurement is:

- The length of a foot The width of a foot The length of a leg
 The length of a full step

16

In ancient India, small lengths were measured using:

- Angul and mutthi Meter Foot Cubit and yard

17

One end of the measuring scale is at 5 cm and the other end is at 9 cm.
Then the length of the object is:

- 3 cm 7 cm 4 cm 5 cm

18

Which of the following statements indicates that the body is in motion?

- Change in shape of the body with time Change in size of the body with time
 Change of position of the body with time Change in colour of the body with time

19

In periodic motion, objects:

- Repeat their motion after some time Do not repeat their motion after some time
 Move in a straight line Move in a circular path

20

The motion of a pendulum and the motion of a child on swing are examples of:

- Circular motion Periodic motion Linear motion Vibratory motion

21

Straight line motion is also called:

- Rectilinear motion Circular motion Periodic motion Vibratory motion

22

The error in measurement caused by positioning the eye incorrectly is called:

- Parallel error Standard error Eye error Parallax error

23

The SI unit of length is symbolically written as

- Mts m Mt mt

24

Tailors use a _____ for measurement.

- Metre scale Measuring tape Ruler Pendulum

25

Which of these is the biggest unit for the measurement of length?

- Kilometre Centimetre Decimetre Millimetre

26

Which of the following is a device used to measure length?

- Meter stick Metric tape Measuring tape All the above

27

Which of the following is the smallest unit of measurement?

- Kilometre Millimetre Inch Centimetre

28

If the position of a body remains the same with time, it is said to be

- In vibration In rotation At rest In motion

29

The motion of a child on a swing is:

- A circular motion A rectilinear motion An oscillatory motion
 A simple harmonic motion

30

What is the value of one kilometer in meters?

- 1000 meters 10000 meters 10 meters 100 meters

31

How many centimeters is one meter?

- 100 cm 1000 cm 10 cm 200 cm

32

How many meters are in five kilometers?

- 500 m 5000 m 50 m 50000 m

33

One cm is equal to:

- 1000 mm 10 mm 100 mm 0.1 m

34

Motorized boats and ships are best suited to travel in:

- Land Water Air Deserts

35

One foot is equal to:

- 10 inches 8 inches 12 inches 6 inches

36

A car moving on a city road has a:

- Non-uniform motion Uniform motion Rectilinear motion Oscillatory motion

37

The distance between two given points is called:

- Meter Area Length Displacement

38

Odometer is used to measure the:

- Size of vehicles Total time taken Total distance traveled
 Speed of the vehicles

39

The known fixed quantity of measurement is called :

- Section Unit Part Centimetre

40

Arrange the following in the increasing order of magnitude:

2 km, 5 cm, 8 mm

- 5 cm, 8 mm, 2 km 2 km, 5 cm, 8 mm 8 mm, 2 km, 5 cm 8 mm, 5 cm, 2 km

41

Which of the following is not in motion?

- A flying bird A fish in a pond A mountain A butterfly

42

The motion in which all the particles of a body move the same distance in the same time is called:

- Translatory motion Rotatory motion Random motion Non- periodic motion

43

Which of the following is not an example of translatory motion?

- A car or a train moving along a road A ball rolling on the ground
 A girl sliding down a slope Rotation of the earth in its orbit

44

When a body moves along a curved line, the motion described by the body is called:

- Rectilinear motion Curvilinear motion Rotatory motion Oscillatory motion

45

Which of the following is an example of a curvilinear motion?

- Pulling out a drawer of a table A freely falling stone
 A ball thrown upward at an angle A steering wheel

46

If a body rotates about a fixed point, then it is said to be in:

- Periodic motion Rotatory motion Translatory motion Vibratory motion

47

An example of rotatory motion is:

- A ball dropped from a height A group of birds flying in a single direction
 The motion of a ceiling fan A ball rolling on a smooth floor in a straight line

48

An example of oscillatory motion is:

- A boy on a swing A spinning wheel or charkha A potter's wheel
 A spinning top

49

Straight line motion is also called:

- Periodic motion Rectilinear motion Non-uniform motion Curvilinear motion

50

A repetitive motion, which repeats itself after a fixed interval of time is called:

- Periodic motion Non-periodic motion Random motion Curvilinear motion

51

The motion of a pendulum and the movement of lungs during breathing are an examples of:

- Vibratory motion Linear motion Periodic motion Oscillatory motion

52

In non-periodic motion, objects:

- Repeat their motion after some time Do not repeat their motion after some time
 Move in a curved line Move in a circular path

53

Among the following an example of rectilinear motion is

- A child on a swing A ticking clock March-past of soldiers in a parade
 A freely falling leaf

54

Which among the following shows a circular motion?

- A rocking chair The pendulum The vibrating membrane of a drum
 A moving giant wheel

55

A kind of oscillatory motion in which the moving object has high frequency

- Translatory motion Rotatory motion Rectilinear motion Vibratory motion

56

An example of vibratory motion is:

- A car moving on a rough road Motion of the strings of a guitar A flying bird
 Oscillations of a simple pendulum

57

Firing of a bullet from a gun is an example of:

- Oscillatory motion Periodic motion Translatory motion Vibratory motion

58

When a power drill bores a hole in a piece of wood, it describes:

- Rotatory motion Translatory motion Curvilinear motion
 Rotatory and translatory motion

59

The motion described by the string of a violin is:

- Oscillatory motion Vibratory motion Rotatory motion Rectilinear motion

60

To measure length accurately using a meter scale, we need to:

- Avoid using the ends of the scale Place the scale properly
 Position our eyes correctly All the above

61

The distance between Jacob's home and his school is 2250 m. This distance in km is:

- 2.25 km 225 km 0.225 km 22.5 km

62

The height of a person is 1.65 m. The height is expressed in cm as:

- 166 cm 165 cm 16.5 cm 1650 cm

63

A piece of an iron rod is used to measure lengths and distances of _____ objects.

- Broken Curved Straight All of the above

64

To measure the length of a curved line we use a:

- Meter scale Measuring tape Thread Hand span

65

While measuring a line, Shalini kept the 3.2 mark of the ruler on one end of the line and the 6.5 cm mark at the other end. Then the length of line is

2.3 cm 5.3 cm 9.7 cm 3.3 cm

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