Motion and Measurement of Distances

Question 1.
When were airplanes developed?
(a) 1980
(b) 1900
(c) 1970
(d) 1950

▼ Answer

(b) 1900
Airplanes were developed in the early year of 1900.

Question 2.
Without measurement it is difficult to take decision about the of things.
(a) Size
(b) Colour
(c) Quality
(d) Length

▼ Answer

(d) Length
Without measurement it is difficult to take decision about the length of things.

Question 3.
…… is the distance from elbow to the tip of the middle finger.
(a) Ribbon
(b) Inch tape
(c) Cubit
(d) None of these

▼ Answer

(c) Cubit
Cubit is the distance from elbow to the tip of the middle finger.

Question 4.
What was Greeks unit of length?
(a) Hand
(b) Cubit
(c) Foot
(d) Tape

▼ Answer

(c) Foot
'Foot' was Greeks unit of length.

Question 5.
When was standard unit of measurement created ?
(a) 1970
(b) 1900
(c) 1980
(d) 1950

▼ Answer

(a) 1970
In 1970 a standard unit of measurement was created.

Question 6.
The French created a standard Unit of measurement called:
(a) S.I. Unit
(b) Metre
(c) Metric system
(d) None of these

▼ Answer

(c) Metric system
French created a standard unit of measurement called the metric system.

Question 7.
The standard unit of measurement it known as:
(a) International system of unit
(b) Metric system
(c) National system
(d) None of these

▼ Answer

(a) International system of unit
The standard unit of measurement is known as international system of unit

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Question 8.
What is the unit of measuring large distances ?
(a) km
(b) m
(c) cm
(d) ml

▼ Answer

(a) km
Km is the unit of measuring large distances.

Question 9.
What does your P.T. teacher use to measure the length of the playground?
(a) Metal tape
(b) Meter scale
(c) Long tapes
(d) Wooden meter scale

▼ Answer

(c) Long tapes
Our P.T. teacher used long tape to measure the length.

Question 10.
Name the scale used in school science laboratory.
(a) Meter tape
(b) Meter scale
(c) Long tapes
(d) Wooden meter scale

▼ Answer

(d) Wooden meter scale
Wooden metre scale used in school science laboratory.

Question 11.
Name the motion in which the objects remain at the same distance from a fixed point.
(a) Rotational motion
(b) Circular motion
(c) Periodic motion
(d) None of these

▼ Answer

(b) Circular motion
In circular motion the object remain at the same distance from a fixed point.

Question 12.
A motion when an object as a whole moves about an axis is:
(a) Rotational motion
(b) Circular motion
(c) Periodic motion
(d) None of these

▼ Answer

(a) Rotational motion
In rotational motion an object as a whole moves about an axis.

Question 13.
In motion an object repeats its motion after a fixed interval of time.
(a) Rotational motion
(b) Circular motion
(c) Periodic motion
(d) None of these

▼ Answer

(c) Periodic motion
It periodic motion an object repeats its motion after a fixed interval of time.

Question 14.
…… is a rough or approximate measurement by one's senses.
(a) Estimation
(b) Hand span
(c) Measurement
(d) None of these

▼ Answer

(a) Estimation
Estimation is a rough as approximate measurement by one's sense.

Question 15.
An object used in ancient times to measure the length was:
(a) Estimation
(b) Hand span
(c) Measurement
(d) None of these

▼ Answer

(b) Hand span
An object used in ancient times to measure the length was hand span.

Question 16.
The distance between thumb and little finger of the stretched palm is:
(a) Estimation
(b) Hand span
(c) Measurement
(d) None of these

▼ Answer

(b) Hand span
The distance between thumb and little finger of the stretched palm.

Question 17.
The comparison of an unknown quantity with some known fixed quantity of the same kind is called:
(a) Estimation
(b) Hand span
(c) Measurement
(d) None of these

▼ Answer

(c) Measurement
The comparison of an unknown quantity with some known fixed quantity of the same kind is called moasuiv ment.

Question 18.
The part of the measurement of any unknown quantity which expresses name is called:
(a) Unit
(b) Metre
(c) Unit of measurement
(d) S.I. Units

▼ Answer

(c) Unit of measurement
The part of the measurement of any unknown quantity which expresses name is called unit of measurement.

Question 19.
The known fixed quantity used to measure the unknown quantity by comparison is called:
(a) Unit
(b) Metre
(c) Unit of measurement
(d) S.I. Units

▼ Answer

(a) Unit
The known fixed quantity used to measure the unknown quantity by comparison is called unit.

Question 20.
S.I. Unit of length is:
(a) Unit

(b) Metre
(c) Unit of measurement
(d) None of these

▼ Answer

(b) Metre
S.I. Unit of length is metre.

Question 21.
…….. is the change in the position of an object.
(a) Motion
(b) Oscillatory motion
(c) Rectilinear motion
(d) None of these

▼ Answer

(a) Motion
Motion is the change in the position of an object.

Question 22.
In which type of motion the object changes its position with time along a straight line ?
(a) Rectilinear motion
(b) Oscillatory motion
(c) Circular motion
(d) None of these

▼ Answer

(a) Rectilinear motion
In rectilinear motion the object changes its position with time along a straight line.

Question 23.
To and fro motion of an object about its position is:
(a) Straight motion
(b) Oscillatory motion
(c) Rectilinear motion
(d) None of these

▼ Answer

(b) Oscillatory motion
To and fro motion of an object about its position is oscillatory motion.

Question 24.
How did people travel from one place to another in earlier times?
(a) On foot

(b) On bus
(c) On airplanes
(d) On ship

▼ Answer

(a) On foot
In earlier times people used to travel from one place to another on foot.

Fill in the blanks with <, > sign:
(a) 1 decimetre ..... 1 decimetre.
(b) 1 millimetre ..... 1 centimetre.
(c) 1 hectometre ..... 1 kilometre.
(d) 1 decimetre ..... 1 centimetre.

▼ Answer

(a) >
(b) <
(c) <
(d) >

Match the Column-A with Column-B:

Question 1.

Column-A	Column-B
(a) Cloth	(i) Use metal tape and measuring tape
(b) Tailors	(ii) Use metal tape for measuring
(c) Carpenters	(iii) Metre scale is used
(d) Mechanics	(iv) Measuring tape is used

▼ Answer

Column-A	Column-B
(a) Cloth	(iii) Metre scale is used
(b) Tailors	(iv) Measuring tape is used
(c) Carpenters	(i) Use metal tape and measuring tape
(d) Mechanics	(ii) Use metal tape for measuring

Question 2.

Column-A	Column-B
(a) 1 cm	(i) 100 cm

(b) 1 dm	(ii) 1000 metre
(c) 1 km	(iii) 0.1 metre
(d) 1 m	(iv) 10 mm

▼ Answer

Column-A	Column-B
(a) 1 cm	(iv) 10 mm
(b) 1 dm	(iii) 0.1 metre
(c) 1 km	(ii) 1000 metre
(d) 1 m	(i) 100 cm

State whether the statements are True or False:

Question 1.
Spinning top as a whole moves about an axis is circular motion.

▼ Answer

False

Question 2.
Motion of second’s hand in a clock is periodic motion.

▼ Answer

False

Question 3.
Motion of a branch of a tree is periodic motion.

▼ Answer

True

Question 4.
Motion of blade of an electric fan is circular motion.

▼ Answer

True

Question 5.
Motion of vehicles on a straight road is rectilinear motion.

▼ Answer

True

Question 6.
Electric brains are 20th century contributions in the field of transport.

▼ Answer

True

Question 7.
Motion is the change in position of an object.

▼ Answer

True

Question 8.
'Foot' was Greek's unit of width.

▼ Answer

False

Question 9.
S.I. unit of length is km.

▼ Answer

False

Question 10.
Carpenters use metre scale and measuring tape.

▼ Answer

True

Fill in the blanks:

Question 1.
One metre is ……. cm.

▼ Answer

100 cm

Question 2.
Five kilometre is ..... m.

▼ Answer

5000 m

Question 3.
Motion of a child on a swing is .....

▼ Answer

periodic motion

Question 4.
Motion of a wheel of a bicycle is .....

▼ Answer

rotational motion

Question 5.
Motion of a needle of a sewing machine is .....

▼ Answer

periodic motions
