

Objective Type Questions

1. Match of the following items given in Column A with Column B:

Column A	Column B
(a) Metre	(i) Circular motion
(b) Yard	(ii) Rectilinear motion
(c) Hand span	(iii) Rotational motion
(d) Least count	(iv) Periodic motion
(e) Millimetre	(v) Unit used to measure very small distances.
(f) Kilometer	(vi) Unit used to measure large distances.
(g) Rest	(vii) SI unit of length.
(h) Motion	(viii) Non-standard unit of length.
	(ix) Standard unit of length.
	(x) Apple falling from a tree.
	(xi) Motion of the tip of the blade of a fan.
	(xii) Motion of a pendulum.
	(xiii) Motion of a top.
	(xiv) State of moving objects.
	(xv) State of stationary objects.
	(xvi) Minimum amount that can be measured by a device.

2. Fill in the blanks with appropriate words:

- (i) Striker in the game of carroms moves in a
- (ii) Powerful shot by a batsman makes the ball move in motion.
- (iii) Moving ceiling fan is an example of motion.
- (iv) Rotational motion is known as motion also.
- (v) motion is also a periodic motion.
- (vi) Invention of made great change in modes of transport.
- (vii) Measurement means the comparison of an quantity with some quantity of the same kind.
- (viii) It was the who developed the 'foot' as their unit of length.
- (ix) In 1790, the French created a standard unit of measurement called the System.
- (x) System of units now used is known as System.
- (xi) Each metre is divided into 100 equal divisions, called
- (xii) Each centimeters has equal divisions called millimetre.
- (xiii) Motion is the change in of an object.
- (xiv) Motion of a branch of tree is motion.
- (xv) A ball rolling on ground executes a rectilinear motion as well as motion.

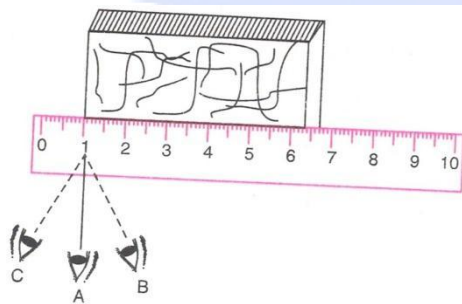
3. State whether the statements given below are True or False:

- (i) Swinging of our arms or legs are periodic motions.

- (ii) Beating of our heart is non-periodic motion.
- (iii) Periodic motion helps us to measure time.
- (iv) In a circular motion; the objects or any of their parts move in a circular path.
- (v) Motion of second's hand of a clock is rectilinear.
- (vi) SI units of length is 'Foot'.
- (vii) For measuring large distances metre is not a convenient unit.
- (viii) Motion of a vehicle on a straight road is a periodic motion.
- (ix) Marchpast of soldiers in a parade is a periodic motion.
- (x) Motion of second's hand in a clock is a circular motion.
- (xi) In rotational motion whole body moves about an axis.
- (xii) The result of a measurement is expressed in two parts.

4. Choose the correct option in the following question:

- (i) Which is a standard unit of measurement?
 - (a) Angul (finger) (b) Mutthi (fist) (c) Step (d) Inch
- (ii) What is the SI unit of length?
 - (a) Metre (b) centimeter (c) Kilometer (d) All of these
- (iii) 4 kilometres are equal to
 - (a) 4, 00,000 metre (b) 40,000 metre (c) 4, 000 metre (d) 400 metre
- (iv) 15 cm are equal to
 - (a) 150 mm (b) 15 mm (c) 1.5 mm (d) 0.15 mm
- (v) Which is a correct relationship?
 - (a) 1 m = 100 cm (b) 1 cm = 100 mm (c) 1 km = 100 m (d) All of these
- (vi) In the following figure the proper way of reading scale is



- (a) C (b) B
- (c) A (d) Any way can be chosen
- (vii) An example of rectilinear motion is
 - (a) Apple falling from a tree (b) Motion of a car on road
 - (c) A spinning top (d) Both (a) and (b)
- (viii) Which is an example of a periodic motion?
 - (a) Oscillations of a pendulum (b) Motion of a bus on road
 - (c) A spinning top (d) A stone dropped from a certain height



