



RAMAGYA SCHOOL, NOIDA
VII/SCIENCE/2017-18
OLYMPIAD PRACTICE WORKSHEET

1. Which of the following does not involve combination of motion?
 - a. Earth
 - b. Bike
 - c. Pendulum
 - d. Rolling ball

2. A girl uses a worn out ruler to measure the length of a table in her room. She placed the ruler such that the mark 3.0 cm coincides with one end and the other end coincides with the mark 33.5 cm. The length of the table is ____ cm.
 - a. 33.5
 - b. 36.5
 - c. 33.8
 - d. 30.5

3. Which of the following is not a unit of distance?
 - a. Metre
 - b. Feet
 - c. Kilogram
 - d. Kilometre

4. Which of the following is a standard unit of measurement?
 - a. Fist
 - b. Metre
 - c. Foot
 - d. Arm length

5. Which of the following is correct?
 - a. $100\text{mm} = 1\text{cm}$
 - b. $10\text{mm} = 1\text{m}$
 - c. $100\text{cm} = 1\text{m}$
 - d. $100\text{m} = 1\text{km}$

6. Choose the incorrect statement from the following:
 - a. Distance between Delhi and Hyderabad is of order in Km.
 - b. Hundred cm make one metre.
 - c. 1 Quintal is equal to 100 Kg.
 - d. A simple pendulum is used to measure the mass of a bob.

7. Which of the following is false?
- The motion of a swing is rectilinear as well as circular
 - A guitar shows vibratory motion
 - Pendulum of a clock shows oscillatory motion
 - A ceiling fan shows rotatory motion
8. Vitamin B group deficiency in the human diet causes
- Pernicious anaemia, beri-beri, pellagra
 - Rickets, pellagra, beri-beri
 - Night blindness, scurvy, beri-beri
 - beri-beri, scurvy, pellagra
9. Select the correct statement from the following
- Jute is obtained from stem of Patsan plant
 - Coir obtained from cotton is a weak fibre
 - The process of making yarn from fibre is called weaving
 - Both (A) & (B)
10. When no more salt can be dissolved in water at a particular temperature then the solution at that temperature is called
- Unsaturated
 - Saturated
 - Sometimes saturated sometimes unsaturated
 - None of the above
11. Read the following activity and answer. Take 5 g of solid camphor in a china dish and cover it with inverted funnel. Plug the stem of the funnel with cotton. Heat the dish What is this process known as?
- Sublimation
 - Crystallization
 - Evaporation
 - Sedimentation
12. Which of the following changes can be reversed?
- Batter to idli
 - Bud to flower
 - Cow dung to biogas
 - Ice-cream to molten ice-cream
13. When a little bit of curd is added to milk and it is left undisturbed for some time, the milk changes into curd. It is an example of
- Fast chemical change
 - Fast physical change
 - Slow chemical change
 - Slow physical change

14. Spinning of a top is an example of
- Rotatory motion
 - Translatory motion
 - Vibratory motion
 - Oscillatory motion
15. The motion of the arms of a soldier marching along the road is
- Circular
 - Oscillatory
 - Rotatory
 - No periodic
16. Which of the following is/are examples of rectilinear motion?
- A train moving on a straight railway track
 - A freely falling stone
 - A coin moving over a carom board
 - All of the above
17. The increase in area of the solid on heating is called
- Superficial expansion
 - Linear expansion
 - Cubical expansion
 - Quadra expansion
18. A lightning conductor is a
- Piece of metallic wire with spikes through which current can flow
 - Substance that can be charged by clouds
 - Carbon rod
 - Plastic rod.
19. Which one of the following is true for all chemical reactions?
- There is a change in volume
 - Heat is evolved
 - Chemical bonds are broken or formed
 - There is a change in mass
20. What is the speed of light in vacuum?
- 3×10^8 m/s
 - 50000 m/s
 - 20 km/h
 - 30.43 m/min.