



RAMAGYA SCHOOL, NOIDA

**IX/SCIENCE/2018-19
OLYMPIAD PRACTICE WORKSHEET**

1. Parenchyma: Simple::Phloem: _____.
 - a. Simple
 - b. Collenchyma
 - c. Complex
 - d. Xylem

2. Which are the four types of animal tissues?
 - a. Epithelial, Squamous, Muscular, Connective
 - b. Epithelial, connective, Muscular, Cardiac
 - c. Connective, Muscular, Epithelial, Nervous
 - d. Cuboidal, Ciliated, Glandular, Columnar

3. A cell body which contains a nucleus and cytoplasm is _____.
 - a. blood
 - b. cartilage
 - c. tendon
 - d. Neuron

4. _____ tissues prevent loss of water in plants.
 - a. Protective
 - b. Xylem
 - c. Phloem
 - d. All of the above

5. Active division takes place in the cells of _____.

- a. xylem
- b. phloem
- c. sclerenchyma
- d. cambium

6. Sprain is caused by excessive pulling of _____.

- a. nerves
- b. tendons
- c. muscles
- d. ligaments

7. Sprain is caused by excessive pulling of _____.

- a. nerves
- b. tendons
- c. muscles
- d. ligaments

8. Sprain is caused by excessive pulling of _____.

- a. nerves
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- d. ligaments

9. Sprain is caused by excessive pulling of _____.

- a. nerves
- b. tendons
- c. muscles
- d. ligaments

10. The motion of a butterfly is an example of

- a. vibratory motion
- b. circular motion
- c. linear motion
- d. random motion

11. Give the equation of motion connecting u , v , a and s where the symbols have their usual meaning

- a. $v = u + at$
- b. $S = ut + \frac{1}{2}at^2$
- c. $v^2 - u^2 = 2aS$
- d.

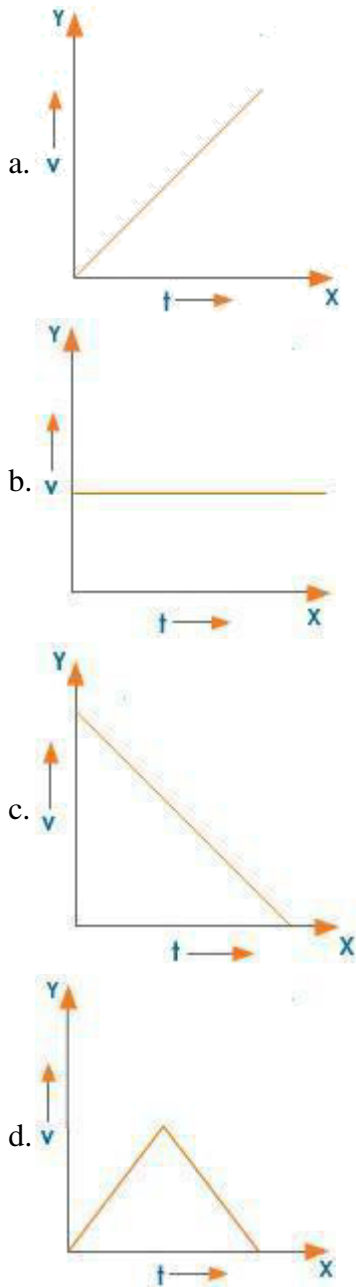
12. Speed of 90 km/h when expressed in m/s is .

- a. 2.5
- b. 25
- c. 250
- d. 90000

13. What do you infer, if S-t graphs of two cyclists meet at a point?

- a. They collide
- b. They pass each other
- c. They are at rest
- d. They are starting from rest

14. Identify the v - t graph representing uniform velocity.



15. CO₂ can be easily liquified and even solidified because

- It has weak forces of attraction
- It has comparatively more force of attraction than other gases
- It has more intermolecular space
- It is present in atmosphere.

16. Which of the following has highest kinetic energy?

- Particles of ice at 0 °C

- b. Particles of water at 0 °C
- c. Particles of water at 100 °C
- d. Particles of steam at 100 °C

17. Bose-Einstein Condensate have

- a. Very low kinetic energy
- b. Low kinetic energy
- c. High kinetic energy
- d. Highest kinetic energy.

18. Under which of the following conditions we can boil water at room temperature?

- a. At low pressure
- b. At high pressure
- c. At very high pressure
- d. At atmospheric pressure

19. Which of the following is not endothermic process?

- a. Fusion
- b. Vapourisation
- c. Temperature
- d. Insoluble heavy impurities

20. Which of the following does not affect rate of evaporation?

- a. Wind speed
- b. Surface area
- c. Temperature
- d. Insoluble heavy impurities