



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

1. The rate of evaporation decreases with

- a. increase in humidity c. increase in wind speed
b. increase in temperature d. increase in surface area

2. The particles of a suspension will be of size:

- a. less than one nanometre
b. between 1 nm to 100 nm
c. above 100 nm
d. less than 0.1 nm

3. Who laid the foundation of laws of chemical combination

- a. Democritus b. Lavoisier c. Dalton d. Proust

4. Which of the following have the maximum charge/mass ratio

- a. electron b. proton c. neutron d. alpha particle

5. Plastids which are responsible for giving colour to fruits and flowers are:

- a. Chromoplasts b. leucoplasts c. protoplasts d. chromoplasts

6. Husk of coconut is made up of which tissue?

- a. Parenchyma b. Collenchyma c. Sclerenchyma d. Xylem

7. A plant has woody stem and its leaves shows reticulate venation

- a. Pteridophyte b. dicot c. Monocotd. Gymnosperm

8. Chloroplasts in spirogyra is

- a. Spirally arranged without pyrenoids
- b. cup shaped
- c. spirally arranged and ribbon shaped pyrenoids
- d. circular

9. A car accelerates at 1.5 m/s^2 in straight road. How much is the increase in velocity in 4s?

- a. 6m/s
- b. 4m/s
- c. 3m/s
- d. 2.66m/s

10. When an object undergoes acceleration?

- a. There is always an increase in its velocity
- b. there is always an increase in its speed
- c. a force always acting on it
- d. all of the above

11. The property of inertia is largest in

- a. toy car
- b. motorcycle
- c. Truck
- d. a car

12. The mass of an object

- a. varies at different locations
- b. remains constant
- c. can be measured using spring balance
- d. is in the direction of gravitational force

13. The value of acceleration is due to gravity at poles is:

- a. more than the equator
- b. same as at the equator
- c. is less than at the equator
- d. Zero

14. Density of substance is

- a. always constant
- b. temperature variant and material character
- c. temperature variant
- d. material character

15. The other name of Nm is

- a. ampere b. volt c. Hertz d. Joule

16. A medium transmits sound waves due to its:

- a. elasticity b. inertia c. density d. Both band c

17. Propagation of wave transfers

- a. energy b. matter c. both d. none of these

18. Two important groups of detrivores are

- a. animals and plants b. prokaryotes and fungi
c. prokaryotes and algae d. plantae and prokaryotes

19. Which is the oldest breeding method?

- a. Introduction b. mutation c. hybridization d. Selection

20. Which of the following is not a marine fish?

- a. Pomphret b. Mackerel c. Sardines d. Catla