

SWO International Science Olympiad 2021-22

Class 8th

Questions: 20

Time Duration: 30 Minutes

There are 4 Sections- 5 Questions in Section-1, 5 Questions in Section-2, 5 Questions in Section-3, 5 Questions in Section-4.

Section-1

1. Adding essential nutrients to soil for growth and development of plants. Choose the correct option.

- (a) Sowing
- (b) Protection from Weeds
- (c) Harvesting
- (d) Adding Manure and Fertilizers

Ans - (d)

2. _____ is a natural substance obtained by the decomposition of cattle dung and plant residues.

Ans- Manure

3. A bacterium called _____ multiplies in milk and converts it into curd.

Ans- Lactobacillus

4. _____ discovered vaccine for smallpox in _____.

Ans- Edward Jenner discovered the vaccine for smallpox in 1798.

5. It is the first synthetic fibre to be prepared without using any natural raw materials (materials produced by plants and animals).

- (a) Rayon
- (b) Nylon
- (c) Polyester

(d) Acrylic

Ans - (b)

Section-2

6. Melamine is unbreakable, fire resistant, and tolerates heat better than plastics.

(a) True

(b) False

Ans- True

7. Chemical Equation for Burning of Magnesium =

_____.

Ans- Magnesium + Oxygen → Magnesium Oxide + Heat and Light

***8. Crackers and fireworks which release a large amount of gas are examples of. Choose the correct option.**

(a) Explosion

(b) Spontaneous Combustion

(c) Rapid Combustion

(d) None of these

Ans - (a)

***9. Some materials can allow flow of electricity through them and are called good conductors of electricity.**

(a) True

(b) False

Ans- False

10. The effect in which components of a compound get split due to passing an electric current through it is called_____.

(a) Electrolytes

(b) Electrode

- (c) Electrolysis
- (d) None of these

Ans - (c)

Section-3

11. When an object is rolling on a surface the force of Friction which acts upon it is called_____.

- (a) Sliding Friction
- (b) Rolling Friction
- (c) Static Friction
- (d) Fluid Friction

Ans - (b)

12. Ball bearings are being used in fans and bicycles to reduce Friction.

- (a) True
- (b) False

Ans- True

13. Magnetic Force, Gravitational Force, Electrostatic Force are type of_____.

Ans- Non contact forces

14. The force acting upon a unit area is called_____.

Ans- Pressure

15. They are rod-shaped organelles with a double membrane.

- (a) Lysosomes
- (b) Ribosomes
- (c) Golgi Bodies
- (d) Mitochondria

Ans - (d)

Section-4

***16. Osmosis does not take place only in liquid.**

- (a) True
- (b) False

Ans-True

17. It does not react with hydrochloric acid at room temperature.

- (a) Iron
- (b) Charcoal
- (c) Copper
- (d) Aluminum

Ans - (c)

18. _____ is a natural satellite of the earth that revolves around the earth in a fixed orbit.

Ans- Moon

19. It celebrated on the 13th night of Waning Moon.

- (a) Diwali
- (b) Maha Shivratri
- (c) Guru Nanak birthday
- (d) Eid-ul-Fitr

Ans - (b)

***20. They include devices like audio tapes, talking books etc .**

- (a) Auditory Aids
- (b) Textual Aids
- (c) Visual Aids
- (d) Electronic Aids

Ans - (a)

