



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

**1) When a switch is in OFF position,**

- (i) Circuit starting from the positive terminal of the cell stops at the switch.
- (ii) Circuit is open.
- (iii) No current flows through it.
- (iv) Current flows after some time.

**Choose the combination of correct answer from the following.**

- (a) All are correct
- (b) (ii) and (iii) are correct
- (c) Only (iv) is correct
- (d) only (i) and (ii) are correct

**2) Which of the following precautions need not be taken while using electric gadgets/appliances/circuit?**

- (a) We should never touch a lighted electric bulb connected to the mains.
- (b) We should never experiment with the electric supply from the mains or a generator or an inverter.
- (c) We should never use just any wire or strip of metal in place of a fuse.
- (d) We should never turn the switch in ON position.

**3) Choose the statement which is not correct in the case of an electric fuse.**

- (a) Fuses are inserted in electric circuits of all buildings.
- (b) There is a maximum limit on the current which can safely flow through the electric circuits.
- (c) There is a minimum limit on the current which can safely flow in the electric circuits.
- (d) If a proper fuse is inserted in a circuit it will blow off if current exceeds the safe limit.

**4) The rearing of silkworms for obtaining silk is called**

- (a) Cocoon
- (b) silk
- (c) sericulture
- (d) apiculture

**5) Which of the following is not a type of silk?**

- (a) Mulberry silk
- (b) Tassar silk
- (c) Mooga silk
- (d) Moth silk

**6) Sonal wanted to buy a gift made of animal fibre obtained without killing the animal. Which of the following would be the right gift for her to buy?**

- (a) Woollen shawl
- (b) Silk scarf
- (c) Animal fur cap
- (d) Leather jacket

**7) Silk fibre is obtained from**

- (a) Fleece of sheep
- (b) cotton ball
- (c) cocoon
- (d) shiny jute stalk

**8) Wool fibre cannot be obtained from which of the following?**

(a) Goat                      (b) Llama              (c) Alpaca                      (d) Moth

**9) Which of the following is not the name of a tree?**

(a) Teak              (b) Sal              (c) Porcupine              (d) Kachnar

**10) Pick the option which gives the names of a tree and an animal, respectively from the following.**

(a) Semal, hornbill              (b) Sal, khair              (c) Chinkara, blue bull              (d) Neem, palash

**11) Which of the products is not obtained from a forest?**

(a) Honey                      (b) Catechu              (c) Gum                      (d) Ginger

**12) The branchy part of a tree above the stem is known as**

(a) Crown                      (b) canopy              (c) sapling                      (d) humus

**13) Forests are not responsible for**

- (a) providing medicinal plants.
- (b) maintaining the flow of water into the streams.
- (c) creating flood conditions.
- (d) absorbing rainwater and maintaining water table.

**14) Which of the following is waste water?**

- (a) Water trickling from a damaged tap.
- (b) Water coming out of a shower.
- (c) Water flowing in a river.
- (d) Water coming out of a laundry.

**15) Sewage is mainly a**

- (a) Liquid waste.
- (b) Solid waste.
- (c) Gaseous waste.
- (d) Mixture of solid and gas.

**16) Which of the following is/are products of wastewater treatment?**

- (a) Biogas
- (b) Sludge
- (c) Both biogas and sludge
- (d) Aerator

**17) Open drain system is a breeding place for which of the following.**

- (a) Flies
- (b) Mosquitoes
- (c) Organisms which cause diseases
- (d) All of these

**18) Water polluted by various human activities causes a number of water borne diseases. Which of the following is not a water borne disease?**

- (a) Cholera
- (b) Typhoid
- (c) Asthma
- (d) Dysentery

**19) Pick from the following one chemical used to disinfect water.**

- (a) Chlorine
- (b) Washing soda
- (c) Silica
- (d) Coal

**20) The system of a network of pipes used for taking away wastewater from homes or public buildings to the treatment plant is known as**

- (a) Sewers                      (b) sewerage                      (c) transport system                      (d) treatment plant

**21) Which of the following is a part of inorganic impurities of the sewage?**

- (a) Pesticides                      (b) Urea                      (c) Phosphates                      (d) Vegetable waste

**22) In a filtration plant water is filtered using layers of**

- (a) Sand and clay                      (b) clay and fine gravel  
(c) Sand and fine gravel                      (d) sand, fine gravel and medium gravel.

**23) Which of the following is not a source of waste water?**

- (a) Sewers                      (b) Homes                      (c) Industries                      (d) Hospitals

**24) You are provided with a convex mirror, a concave mirror, a convex lens and a concave lens.**

**You can get an inverted image from**

- (a) Both concave lens and convex lens  
(b) Both concave mirror and convex mirror  
(c) Both concave mirror and convex lens  
(d) Both convex mirror and concave lens