

Biology

Class : VIII going to IX

1. *Euglena*, *Paramecium* and *Amoeba* have the capacity to intake solid food through holozoic nutrition but *Rhizobium* is a symbiotic bacteria and taking food through absorption from the host body.

Ans. ©

2. Fermentation is an obligatory process of respiration for Anaerobes (without O_2) but fragmentation, Regeneration, Respiration etc are all the processes those are common for Anaerobes and Aerobes.

Ans. ©

3. Horticulture deals with the cultivation of vegetables, fruits and flowers. Whereas Fruticulture deals with cultivation of fruits (pomology), veggiculture deals with cultivation of vegetables only and mixed farming is the process of cultivation of fruits, vegetables, flowers in same land and in same time also.

Ans. Ⓐ

4. Female *Anopheles* (*Anopheles stephensi*) is the carrier of *Plasmodium* (causal organism for malaria) from infected person to a healthy one.

Ans. Ⓐ

5. Windmill, here the driven force is air and no by-product is coming out. But in burning of firewood, CO_2 is added to atmosphere, in case of automobile exhaust different types of pollutants are added to the atmosphere and in power plant it is the coal that used as raw material and CO_2 is added to the atmosphere.

Ans. ©

6. Cereals yielding plants are mostly shrubs but in case of the cereals edible parts are not only seeds but the total fruits also. As in case of Rice, it is a fruit which is known as Caryopsis.

Ans. Ⓐ

7. TMV or Tobacco Mosaic Virus is intracellular Parasite i.e. only can reproduce when it is within the Tobacco cell.

Ans. Ⓐ

8. Penicillin is an Antibiotic, various blue green algae like *Anabena*, *Nostoc* having the capacity to fix nitrogen thereby used as biofertilizer, Virus in most cases acted as pathogen i.e. acting as causal agent, *Plasmodium* is the causal organism for Malaria, Fungi is a group of plants which lack chlorophyll.

Ans. Ⓑ



9. Sprinkler system where water irrigated through main pipeline under pressure and it escaped out from the head that fitted with one rotating nozzles.

Ans. (B)

10. Virus is a obligatory parasite thereby it can not multiply without the help of living cell.

Ans. (D)

11. Food poisoning is due to inoculation of bacteria named *Clostridium botulinum*, produce botulinum toxin. Rest are of the protozoan caused for diseases.

Ans. (A)

12. Most of the viral diseases can not be controlled by the antibiotics as Virus is highly mutable

Ans. (D)

13. When carbon monoxide binds with haemoglobin it forms a very poisonous substance named carboxyhaemoglobin.

Ans. (C)

14. Star fish, Fish, Frog all of these performed external fertilization i.e. mixing and fusion of sperm with ovum is taking place in the external environment i.e. outside the body.

Ans. (D)

15. Flying squirrel, Black buck, Snow leopard are the endangered species as their number is very low now and going to diminish. But Dodo is a extinct species i.e. totally diminished.

Ans. (A)