

Q1) The decomposers in an ecosystem:

- a) Convert organic material to inorganic forms
- b) Convert inorganic material to simpler forms
- c) Convert inorganic material into the organic compound
- d) Do not break down the organic compound

Correct Answer: Option (a)

Q2) Some waste products are listed below:

- **Grass Cutting**
- **Polythene Bag**
- **Plastic Toys**
- **Used Tea Bags**
- **Old Clothes**
- **Paper Straw**

Which group of waste materials can be classified as non-biodegradable?

- a) Plant waste, used tea bags
- b) Polyethene bags, plastic toys
- c) Used tea bags, paper straw
- d) Old clothes, broken footwear

Correct Answer: Option (b)

Q3) Which statement shows the interaction of an abiotic component with a biotic component in an ecosystem?

- a) A grasshopper feeding on a leaf
- b) Rainwater running down into the lake
- c) An earthworm making a burrow in the soil
- d) A mouse fighting with another mouse for food

Correct Answer: Option (c)

Q4) Which of the following are environment-friendly practices?

- a) Carrying a cloth bag to put purchases while shopping.
- b) Switching off unnecessary lights and fans
- c) Walking to school instead of getting your mother to drop you on her scooter
- d) All of the above

Correct Answer: Option (d)

Q5) The amount of energy that flows from one trophic level to another in a food chain is

- a) 5%
- b) 10 %
- c) 20 %
- d) 15 %

Correct Answer: Option (b)

Q6) The manufacturing of Chlorofluorocarbons free refrigerators is mandatory throughout the world. How does this help prevent ozone depletion?

- a) This will help convert oxygen molecules into ozone
- b) This will help convert the CFCs into ozone molecules
- c) This will reduce the production of CFCs from oxygen molecules
- d) This will reduce the release of CFCs that reacts with ozone molecules

Correct Answer: Option (d)

Q7) The primary consumers are

- a) Carnivores
- b) Herbivores
- c) Omnivores
- d) Producers

Correct Answer: Option (b)

Q8) Which of the following is responsible for the depletion of the ozone layer

- a) CFCs
- b) Oxygen
- c) SO₂
- d) CO₂

Correct Answer: Option (a)

Q9) Ozone forms by the combination of free oxygen atoms and oxygen molecules. How do free oxygen atoms form at higher levels of the atmosphere?

- a) By splitting molecular oxygen into free oxygen atoms in the presence of low-energy UV radiations
- b) By splitting molecular oxygen into free oxygen atoms in the presence of high-energy UV radiations
- c) By the combination of two molecular oxygen in the presence of high energy UV radiations
- d) By the combination of two free oxygen atoms in the presence of lower energy UV radiations

Correct Answer: Option (b)

Q10) The driving force of any ecosystem is

- a) Carbohydrates
- b) Solar energy
- c) Biomass
- d) ATP

Correct Answer: Option (b)

Q11) Kitchen wastes can be hygienically disposed of through

- a) Dumping
- b) Composting
- c) Incineration
- d) Recycling

Correct Answer: Option (b)

Q12) Environment includes

- a) Land, air, water
- b) Light, temperature, rainfall
- c) Plants, animals, microbes
- d) All of these

Correct Answer: Option (d)

Q13) Which of the following is a linear arrangement of organisms?

- a) Food chain
- b) Food web
- c) Trophic levels
- d) Community

Correct Answer: Option (a)

Q14) An agricultural cropland is

- a) A biome
- b) A natural ecosystem
- c) An artificial ecosystem
- d) None of these

Correct Answer: Option (c)

Q15) What is the order of the waste management hierarchy, from most to least favoured?

- a) Prevention-Recycle-Reuse-Disposal
- b) Prevention-Reuse-Disposal-Recycle
- c) Prevention-Disposal-Reuse-Recycle

d) Prevention-Reuse-Recycle-Disposal

Correct Answer: Option (d)

Q16) Problem of solid waste disposal can be reduced through

a) Recycling

b) Lesser pollution

c) More timber

d) Population control

Correct Answer: Option (a)

Q17) An environment-friendly practice is

a) Using CFLs at homes and offices

b) Using the car to go to nearby places

c) Using AC in every room

d) Burning plastics

Correct Answer: Option (a)

Q18) Which of the following limits the number of trophic levels in a food chain?

a) Water

b) Polluted air and water

c) Deficient food supply

d) Decrease in energy at higher trophic levels

Correct Answer: Option (d)

Q19) The cleaners of nature are

a) Producers

b) Consumers

c) Herbivores

d) Decomposers

Correct Answer: Option (d)

Q20) Ozone hole may cause

a) Mutations

b) Global warming

c) Skin cancer

d) All of these

Correct Answer: Option (d)

Q21) In a food chain, the third trophic level is always occupied by

- a) Carnivores
- b) Herbivores
- c) Producers
- d) Decomposers

Correct Answer: Option (a)

Q22) The biotic components of an ecosystem consist of

- a) Plants and animals
- b) Algae and fungi
- c) Producers, consumers & decomposers
- d) Air, water, soil

Correct Answer: Option (c)

Q23) Which of the following could be incinerated?

- a) Paper
- b) Medicine bottles
- c) Needle of the syringe
- d) All of the above

Correct Answer: Option (c)

Q24) The harmful chemical which is accumulating in human beings through the food chain is

- a) BHC
- b) DDT
- c) Absciscic acid
- d) CFC

Correct Answer: Option (b)

Q25) Carnivores represent

- a) Primary consumers
- b) Reducers
- c) Phytoplanktons
- d) Secondary and tertiary consumers

Correct Answer: Option (d)

Q26) Which of the following constitutes a food chain?

- a) Grass, goat and human
- b) Goat, cow and elephant

- c) Grass, fish and zebra
- d) Grass, wheat and apple

Correct Answer: Option (a)

Q27) Biodegradable wastes include

- a) Aluminium foils
- b) Glass bottles
- c) Pesticides
- d) Wood shavings

Correct Answer: Option (d)

Q28) What are the methods by which energy can be recovered from waste to energy?

- (1) Heat
- (2) Electricity
- (3) Co-generation
- a) By (1) and (2)
- b) By (2) and (3)
- c) By (1), (2) and (3)
- d) None of the above

Correct Answer: Option (c)

Q29) What is the most expensive component of solid waste handling?

- a) Collection
- b) Storage
- c) Treatment
- d) Separation

Correct Answer: Option (a)

Q30) Which of the following statement regarding recycling is wrong?

- a) Saves precious resources
- b) Require stable market
- c) Improves efficiency of treatment processes
- d) Increases the need for mining virgin materials

Correct Answer: Option (d)