

Question 1.

Assertion: Vegetarian food habit is more beneficial to organisms.

Reason: Only 10% energy is available as food from one trophic level to next.

- (a) Both A and R are true and R is the correct explanation of A.
- (b) Both A and R are true but R is not the correct explanation of A.
- (c) A is true but R is false.
- (d) A is false but R is true.
- (e) Both A and R are false.

▼ [Answer](#)

- (a) Both A and R are true and R is the correct explanation of A.
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Question 2.

In natural ecosystems, decomposers include-

- (a) only bacteria and fungi
- (b) only microscopic animals
- (c) herbivores and carnivores
- (d) both (b) and (c)

▼ [Answer](#)

- (a) only bacteria and fungi
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Question 3.

The percentage of solar radiation absorbed by all the green plants for the process of photosynthesis is about-

- (a) 1%
- (b) 8%
- (c) 5%
- (d) 10%

▼ [Answer](#)

- (a) 1%
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Question 4.

The second trophic level is always of-

- (a) herbivores
- (b) autotrophs
- (c) carnivores
- (c) producers

▼ [Answer](#)

- (a) herbivores
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Question 5.

The decomposers in an ecosystem-

- (a) convert organic material to inorganic forms
- (b) convert inorganic material to simpler forms
- (c) convert inorganic material into organic compound
- (d) do not break down organic compound

▼ Answer

(a) convert organic material to inorganic forms

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Question 6.

Which of the following is an abiotic component of an ecosystem?

- (a) Humus
- (b) Bacteria
- (c) Plants
- (d) Fungi

▼ Answer

(a) Humus

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Question 7.

What will happen if all the deer are killed in the given food chain?

Grass → Deer → Lion

- (a) The population of grass decreases.
- (b) The population of lions increases.
- (c) The population of lions remains unchanged.
- (d) The population of lions decreases and grass increases.

▼ Answer

(d) The population of lions decreases and grass increases.

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Question 8.

Which of the following is not a terrestrial ecosystem-

- (a) forest
- (b) desert
- (c) aquarium
- (d) grassland

▼ Answer

(c) aquarium

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Question 9.

In the garden ecosystem, which of the following are producers?

- (a) Insects
- (b) Snakes
- (c) Grasses
- (d) Rabbits

▼ Answer

(c) Grasses

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Question 10.

Which of the following is biodegradable?

- (a) Plastic mugs
- (b) Leather belts
- (c) Silver foil
- (d) Iron nails

▼ Answer

(b) Leather belts

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Question 11.

Which of the following is an autotroph?

- (a) Lion
- (b) Insect
- (c) Tree
- (d) Mushroom

▼ [Answer](#)

(c) Tree

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Question 12.

Which of the following is a logical sequence of food chain

- (a) producer → consumer → decomposer
- (b) producer → decomposer → consumer
- (c) consumer → producer → decomposer
- (d) decomposer → producer → consumer

▼ [Answer](#)

(a) producer → consumer → decomposer

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Question 13.

A food chain comprising birds, green plants, fish and man. The concentration of harmful chemical entering the food chain will be maximum in

- (a) green plants
- (b) man
- (c) birds
- (d) fish

▼ [Answer](#)

(b) man

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Question 14.

Ozone layer is damaged by-

- (a) methane
- (b) carbon-dioxide
- (c) Sulphur-dioxide
- (d) CFCs

▼ [Answer](#)

(d) CFCs

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Question 15.

In an ecosystem, herbivores represent

- (a) producers
- (b) primary consumers
- (c) secondary consumers
- (d) decomposers

▼ [Answer](#)

(b) primary consumers

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Question 16.

Which one of the following will undergo fastest bio-degradation?

- (a) Mango seed
- (b) Wood
- (c) Mango peel
- (d) Mango pulp

▼ [Answer](#)

- (d) Mango pulp
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Question 17.

Assertion: Biodegradable waste and non biodegradable waste should be discarded separately,

Reason: Biodegradable waste are not harmful.

- (b) Both A and R are true but R is not the correct explanation of A.
- (c) A is true but R is false.
- (d) A is false but R is true.
- (e) Both A and R are false.

▼ [Answer](#)

- (c) A is true but R is false.
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Question 18.

Assertion: Ozone layer is getting depleted at upper atmosphere which is a cause of concern.

Reason: CFC reacts with ozone and breaks it.

- (a) Both A and R are true and R is the correct explanation of A.
- (b) Both A and R are true but R is not the correct explanation of A.
- (c) A is true but R is false.
- (d) A is false but R is true.
- (e) Both A and R are false.

▼ [Answer](#)

- (a) Both A and R are true and R is the correct explanation of A.
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Question 19.

Flow of energy in an ecosystem is always-

- (a) unidirectional
- (b) bidirectional
- (c) multidirectional
- (d) no specific direction.

▼ [Answer](#)

- (a) unidirectional
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Question 20.

The ecosystem of earth is known as-

- (a) biome
- (b) community
- (c) biosphere
- (c) association

▼ [Answer](#)

(c) biosphere

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Question 21.

Which of the two in the following sets belong to the same trophic level?

- (a) Grass : Grasshopper
- (b) Goat : Spider
- (c) Hawk : Rat
- (d) Frog : Lizard

▼ [Answer](#)

(d) Frog : Lizard

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Question 22.

Acid rain is caused by the oxides of

- (a) carbon
- (b) nitrogen only
- (c) sulphur only
- (d) sulphur and nitrogen

▼ [Answer](#)

(d) sulphur and nitrogen

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Question 23.

The depletion of the ozone layer causes

- (a) global warming
- (b) earthquakes
- (c) increased UV radiations
- (d) acid rain

▼ [Answer](#)

(c) increased UV radiations

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Question 24.

Which one of the following pairs belong to the category of primary consumers?

- (a) Eagle and snake
- (b) Grasshoppers & cattle
- (c) Snake and frog
- (d) Water beetles & fish

▼ [Answer](#)

(b) Grasshoppers & cattle

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Question 25.

Which of the following is biodegradable?

- (a) Aluminium can
- (b) Polythene bag
- (c) Cowdung
- (d) DDT

▼ [Answer](#)

(c) Cowdung

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Question 26.

Which of the following is non-biodegradable-

- (a) paper
- (b) wood
- (c) cloth
- (d) plastic

▼ [Answer](#)

(d) plastic

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Question 27.

Trophic level in an ecosystem represents

- (a) oxygen level
- (b) water level
- (c) energy level
- (d) salt level

▼ [Answer](#)

(c) energy level

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Question 28.

Excessive exposure to ultraviolet radiation causes

- (a) inflammation of liver
- (b) cancer of skin
- (c) damage to the lungs
- (d) jaundice

▼ [Answer](#)

(b) cancer of skin

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Question 29.

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

- (a) water
- (b) polluted air
- (c) deficient food supply
- (d) decrease in energy at higher trophic levels

▼ [Answer](#)

(d) decrease in energy at higher trophic levels

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Question 30.

A food chain always starts with

- (a) respiration
- (b) photosynthesis
- (c) decay
- (d) nitrogen fixation

▼ [Answer](#)

(b) photosynthesis

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Question 31.

Which of the following is non-biodegradable?

- (a) Wool
- (b) Nylon
- (c) Animal bones
- (d) Tea leaves

▼ [Answer](#)

(b) Nylon

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Question 32.

First link in any food chain is usually green plants because

- (a) they are widely distributed
- (b) they are fixed at one place in the soil
- (c) they alone have the capacity to synthesise food using sunlight
- (d) there are more herbivores than carnivores

▼ [Answer](#)

(c) they alone have the capacity to synthesise food using sunlight

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