

# Ecosystem

## CHAPTER-12

1. Which of the following pyramids is always straight?

- (a) Pyramid of biomass
- (b) Pyramid of living numbers
- (c) Pyramid of energy
- (d) none of the above

2. What is detritus made up of?

- (a) Fruits and dead remains of animals
- (b) leaves
- (c) Bark and Maladi
- (d) all of the above
- (D)

3. Man-made ecosystem is-

- (a) Forest ecosystem
- (b) crop ecosystem
- (c) grassland ecosystem
- (d) Fresh water ecosystem

4. The flow of energy in the food web is-

- (a) one-directional
- (b) bi-directional
- (c) three-directional
- (d) four-way

5. The level of green plants in the food chain is-

- (a) producer
- (b) primary consumer
- (c) Secondary consumer
- (d) decomposer
- (a)

6. Who first coined the word ecosystem?

- (a) E. Heckel
- (b) E.P. Odom
- (c) A.G. Tensley
- (d) e.warming
- (C)

7. What percentage of energy is used by organisms at each trophic level?

- (a) 20%
- (b) 30%
- (c) 90%
- (d) 10%
- (C)

8. Which of the following has the highest number in a food chain?

- (a) producer
- (b) primary consumer
- (c) Secondary consumer
- (d) Decomposer
- (d)

9. A lake has a second trophic level.

- (a) phytoplankton
- (b) zooplankton
- (c) Benthos
- (d) fishes

10. Secondary producer is-

- (a) vegetarian
- (b) producer
- (c) non-vegetarian
- (d) none of these
- (a)

11. The source of energy for an ecosystem is-

- (a) Sun
- (b) ATP
- (c) Sugar produced by plants
- (d) green plants

12. Which of the following ecological pyramids is usually inverted?

- (a) Pyramid of biomass in a sea
  - (b) Pyramid of energy
  - (c) Pyramid of numbers in the grassland
  - (d) Pyramid of biomass in a forest
- (a)

13. In the grazing food chain, a carnivore is called-

- (a) primary producer
- (b) Secondary producer
- (c) primary consumer
- (d) secondary consumer

2. What do you understand by energy flow in the ecosystem? Explain the flow of energy through different trophic levels. Draw a schematic diagram of a food chain.

3. Write the definition of food chain. How many types are there? Write the difference between food chain and food web.

4. What is ecological pyramid? Explain the pyramid of biomass and population:

- 5. (i) Who is called producer?
- (ii) Differentiate between primary productivity and secondary productivity.
- (iii) What is net primary producer?

## LONG QUESTIONS

1. What is decomposition? Describe the decomposition cycle in a terrestrial ecosystem. Give its graphical representation.

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