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-

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- (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) prima<mark>ry</mark> 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.
- 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?

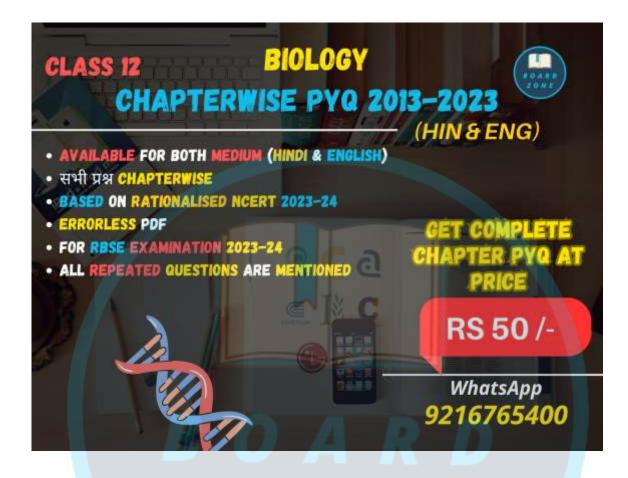
LONG QUESTIONS

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

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