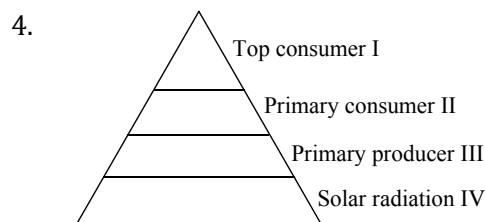


Topic :-Ecosystem

- The organisms, which attack dead animals are
 - First link of the food chain and are known as primary producers
 - Second link the food chain and are herbivorous
 - Third link of the food chain and are tertiary consumers
 - Present at the end of food chain and are detritivores
- Pyramid of energy in aquatic ecosystem is
 - Always upright
 - Always inverted
 - Bell-shaped
 - None of these
- Consider the following statements about ecological pyramids
 - Charles Elton developed the concept of ecological pyramid
 - After the name these pyramids are also called as Eltonian pyramids
 - It is a graphical representation or pyramid shaped diagram which depicts the number of organisms, biomass and energy at each trophic levelWhich of the statements given above are correct?
 - I and II
 - I and III
 - II and III
 - I, II and III



- I. 10 kcal/m²/yr II. 100 kcal/m²/yr
III. 1000 kcal/m²/yr IV. 100000 kcal/m²/yr
- Refer to the above diagram of energy pyramid. The ecological efficiency at primary consumer level, in comparison to that at secondary consumer level, is
- Same
 - More
 - Less
 - Cannot be ascertained from the data
- Which of the following pyramid of numbers in ecology is not upright?
 - Pond ecosystem
 - Desert ecosystem
 - Tree ecosystem
 - Forest ecosystem
 - A lion that eats a zebra that ate grass is a

- a) Primary producer
c) Secondary consumer
- b) Primary consumer
d) Quaternary consumer
7. Pyramids of biomass in pond ecosystem is
a) Inverted
b) Upright
c) Linear
d) Irregular
8. The process of which humus is degraded by some microbes to release inorganic nutrients is known as
a) Mineralization
b) Humification
c) Photophosphorylation
d) Pollination
9. The process of mineralisation by microorganisms helps in the release of
a) Inorganic nutrients from humus
b) Both organic and inorganic nutrients from detritus
c) Organic nutrients from humus
d) Inorganic nutrients from detritus and formation of humus
10. Which of the following plants develop characters of xerophytes?
a) Heliophytes
b) Sciophytes
c) Hydrophytes
d) Halophytes
11. Which one of the following statements is correct for secondary succession?
a) It occurs on a deforested site
b) It follows primary succession
c) It is similar to primary succession except that it has a relatively fast pace
d) It begins on a bare rock
12. Phytoplanktons are found in which of the following zones?
a) Limnetic zone
b) Secondary consumers
c) Littoral zone
d) Aphotic zone
13. The role of a cow in a food chain is
a) Primary consumer
b) Heterotroph
c) Herbivores
d) All of these
14. Which of the following are the essential sources for releasing CO₂ in the atmosphere?
I. Burning of wood
II. Volcanic activity
III. Combustion of organic matter
IV. Fossil fuels
Choose the correct option
a) I, II and III
b) II, III and IV
c) I, III and IV
d) I, II, III and IV

