

Topic :- Ecosystem

- Vertical distribution of different species occupying different levels in an ecosystem is called
a) Stratification b) Decomposition c) Fragmentation d) Humification
- Fill in the missing stages (A to D) in the given primary hydrarch succession.
Phytoplankton → (A) → (B) → (C) → Marsh-meadow stage → (D) → Forest plant stage
a) A-Read-swamp-stage, B-Sub-merged plant stage, C-Sub-merged free-floating plant stage, D-Scrub stage
b) A-Sub-merged plant stage, B-Sub-merged free-floating plant stage, C-Read-swamp-stage, D-Scrub stage
c) A-Scrub stage, B-Sub-merged plant stage, C-Read-swamp-stage, D-Sub-merged free-floating plant stage
d) A-Read-swamp stage, B-Scrub stage, C- Sub-merged plant stage, D-Sub-merged free floating plant stage
- A community that starts the process of succession in a barren habitat is called
a) Emotional community b) Climax community
c) Seral community d) Pioneer community
- How much incident sun radiation on earth is utilised by producers (plants)?
a) 0.01 b) 0.001 c) 1 d) 2
- Percentage of Photosynthetically Active Radiation (PAR) that is captured by plants in synthesis of organic matter is
a) 50-80% b) 40-60% c) 70-100% d) 2-10%
- The term 'homeostasis' in an ecosystem refers to
a) Feedback mechanism b) Self regulatory mechanism
c) Influence of production d) State of equilibrium
- Trophic level in ecosystem is formed by
a) Only bacteria b) Only plants
c) Only herbivores d) Organisms linked in food chain
- Which one of the following is a sedimentary cycle?
a) Sulphur cycle b) Nitrogen cycle c) Carbon cycle d) Oxygen cycle
- Select the matched ones.
I. Sedimentary nutrient - Nitrogen cycle

- II. Pioneer species - Lichens
 III. Secondary succession - Burned forests
 IV. Pyramid of biomass in sea - Upright
- a) I, II and IV only b) I and III only c) II and III only d) II and IV only
10. Which of the following is an example of man-made ecosystem?
 a) Herbarium b) Aquarium c) Tissue culture d) Forest
11. PAR stands for
 a) Photosynthesis Active Reaction b) Photosynthesis Absorb Radiation
 c) Photosynthetically Active Radiation d) Photosynthetically Active Reaction
12. The sunlight directly regulates the primary productivity because
 a) Gross primary productivity is utilised by plants in respiration
 b) The plants perform respiration with the help of sunlight
 c) The plants perform photosynthesis with the help of sunlight
 d) None of the above
13. What is the reason behind deficit rising in nutrient reservoir?
 a) Due to imbalance in the rate of influx b) Due to imbalance in the rate of efflux
 c) Due to imbalance in the rate of influx and efflux d) None of the above
14. "Complete competitors cannot coexist" is true for
 a) Character displacement b) Competitive exclusion
 c) Primary succession d) Secondary succession
15. In a comparative study of grassland ecosystem and pond ecosystem, it may be observed that
 a) The biotic components are almost similar
 b) The abiotic components are almost similar
 c) Primary and secondary consumers are similar
 d) Both biotic and abiotic components are different
16. Food chain refers to
 a) Number of humans forming a chain for food b) Animals gathered near a source of food
 c) Transfer of energy from producers to consumers d) None of these
17. A person who eats a chicken that ate grain is a
 a) primary producer b) primary consumer
 c) secondary consumer d) quaternary consumer
18. Pyramid that is never inverted
 a) Energy b) Mass c) Number d) Size

19. Major ecological community of plants and animals extending over large natural areas is known as
a) Bioregion b) Biosphere c) Biota d) Biome
20. In a pyramid of numbers in a grassland ecosystem, the largest population is that of
a) Producers b) Tertiary consumers c) Secondary consumers d) Primary consumers

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