

Topic :- Organisms & Populations

- Pollination is an example of
 - Mutualism
 - Protocooperation
 - Synergism
 - Commensalism
- Root cap is not found in
 - Mesophytes
 - Xerophytes
 - Hydrophytes
 - Halophytes
- Which model is considered a more realistic one?
 - Logistic model
 - Exponential model
 - Geometric model
 - J-shaped model
- Salt concentration (parts per thousand) is less than 5% in
 - Sea water
 - Inland water
 - Hypersaline water
 - Freshwater
- An interaction favourable to both population, but no obligatory to either is
 - Proto-cooperation
 - Mutualism
 - Commensalism
 - Parasite
- Phenomenal and rapid increase of population in a short period is called
 - Natural increase
 - Population growth
 - Population explosion
 - None of these
- Life on earth originated in
 - Air
 - Water
 - Soil
 - All of these
- The soil with poorest water holding capacity is
 - Clay
 - Loam
 - Sandy
 - None of these
- Differentiation of various tissue and organs in response to light is called
 - Morphogenesis
 - Photomorphogenesis
 - Organogenesis
 - Embryogenesis
- In a population, unrestricted reproductive capacity is called
 - Biotic potential
 - Fertility
 - Carrying capacity
 - Birth rate
- Level of competition between species depends on
 - availability of resources
 - population density

III. group interaction of organism

Choose the correct combination

- a) I and II b) I and III c) II and III d) I, II and III

12. Concept of mimicry was given by ...A...

Father of Indian Plant Ecology ...B...

Term 'ecology' coined by ...C...

Here A, B and C refers to

- a) A-Haeckel, B-Ramdev Mishra, C-Reiter
b) A-HW Bates, B-Ramdev Mishra, C-Ernst Haeckel
c) A-HW Bates, B-Birbal Sahani, C-Ernst Haeckel
d) A-HW Bates, B-Birbal Sahani, C-Reiter

13. Partial regulators are the organism which

- a) Can regulate body temperature to larger extent of environmental condition
b) Can regulate body temperature to limited extent of environmental condition
c) Can regulate body temperature only over a limited range of environmental condition
d) None of above

14. Which is the characteristics of desert plant adaptation?

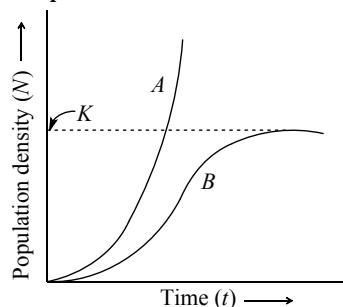
- a) Thick cuticle on their leaf surface b) Stomata arranged in deep pits
c) Stomata remain closed during day d) All of the above

15. A population growing in a habitat with ...A... resources show initially a ...B... phase, followed by phase of acceleration and deceleration and finally an asymptote, when the population density reaches the ...C... .

Choose the correct option for A, B and C

- a) A-limited, B-lag phase, C-carrying capacity
b) A-limited, B-stationary phase, C-carrying capacity
c) A-unlimited, B-lag phase, C-carrying capacity
d) A-unlimited, B-log phase, C-carrying capacity

16. Graph A and B indicates



- a) A-Logistic growth; B-Exponential growth b) A-Exponential growth; B-Logistic growth
c) A-Geometric growth; B-Logistic growth d) Either (b) or (c)

