

## ECOLOGY, ZOOGEOGRAPHY AND EVOLUTION

### SEMESTER-VI, INTERNAL-I

1. The term Ecology was proposed first time by [a]  
a)Rieter                      b)Hackel                      c)Tansley                      c)Karl mobius
2. Producers have \_\_\_\_\_ pigment [b]  
a)Xanthophyll                      b)Chlorophyll                      c)Chlorophyll-a                      d)both a and b
3. \_\_\_\_\_ is the best example for fresh water Eco system [c]  
a)River                      b)Stream                      c)Lake                      d)Eustarine
4. Animals which float on water are called [d]  
a)Epineuston                      b)Hyponeuston                      c)Beetles                      d)Zooplanktons
5. The cycling of carbon between abiotic and biotic system is called [a]  
a)Carbon cycle                      b)Co2 cycle                      c)Carbonate cycle                      d)b & c
6. The amount of co2 in air is about \_\_\_ % [b]  
a)33%                      b)0.033%                      c)0.02%                      d)1.22%
7. Capacity to do work is called [c]  
a)Work done                      b)Force                      c)Energy                      d)Strength
8. The pyramid of number in a forest ecosystem is [d]  
a)Triangular                      b)Inverted                      c)Upside down                      d)Upright
9. In a parasitic food chain, the phyramid is always [a]  
a)Inverted                      b)Upright                      c)Triangular                      d)a & b
10. The term symbiosis means [b]  
a)Living among                      b)Living together                      c)Living                      d)Relationship
11. \_\_\_\_\_ is an association between fungi and algae [c]  
a)Anemone                      b)Corals                      c)Lichen                      d)Chlorella
12. Nervous system is poorly developed in [d]  
a)Flies                      b)Host                      c)Egg                      d)Parasite
13. The term population is derived from \_\_\_\_\_ word [a]  
a)Latin                      b)Greek                      c)French                      d)None
14. Death rate is also called as \_\_\_\_\_ [b]  
a)Birth rate                      b)Mortality                      c)Natality                      d)Density
15. Sigmoid growth curve is also called as II [c]  
a)                      b)                      c)J                      d)S
16. The group of population living in a particular area [d]  
a)Community                      b)Population                      c)Species                      d)None
17. Moon light influenced greatly on \_\_\_\_\_ community [a]

- a) Fresh                      b) Marine                      c) Brackish                      d) both a & c
18. If the succession starts in the water it is called [b]
- a) Xerarch                      b) Hydrarch                      c) Hydrosere                      d) b & c
19. Adhesive discs are present in [c]
- a) Chamaeleon                      b) Gecko                      c) Raco-phorus                      d) None
20. The organisms which fly in the air are called organism [d]
- a) Running                      b) Arboreal                      c) Desert                      d) Flying

1. **Madhu malai** National park situated in Tamilnadu
2. Noise is measured by the **decibel** unit
3. BSI stands for **botanical survey of india**
4. ZSI stands for **Zoological survey of india**
5. The sounds with noise than **150 db** can destroy ear drum
6. Radioactive elements cause cancer called **Leukamia**
7. DDT stands for **Dichloro Diphenyl Trichloroethane**
8. **Minamata Disease** is caused by mercury in water
9. The holes in ozone layer is due to **ferrous and CFS**
10. PAT = **Peroxy Acetyl Nitrate**
11. The disappearance of chlorophyll in leaves is called **chlorosis**
12. **Gliding flight** means flying in the air at low height
13. **Kangaroo rat** aestivate to tide over extreme heat
14. Petagium is present in **flying Gecko**
15.  $C_6H_{12}O_6 + O_2 \xrightarrow[\text{Sunlight}]{\text{Chlorophyll}} H_2O + CO_2 + \text{Energy}$
16. The lizard **uromartix** stores water in the intestine
17. Climax is a **stable** community
18. Communities are unstable in **Tundra region**
19. The group of population living in a particular area is called **community**
20. Animals which feed on other animals are called **carnivers**

1. Herbivores

Ans: Animals which feed on producers

2. Formula of mortality

Ans: Mortality (or) Death rate =  $\frac{\text{No. of deaths per unit time}}{\text{Average population}}$

3. Predation

Ans: It is an interaction in animal world in which one animal kills and devours other animals for food

4. Monogenetic parasite

Ans: Parasite which completes its life cycle in only one host

5. Host

Ans: An organism which provides shelter and nourishment to parasites is called host

6. Symbiosis

Ans: Organisms of two different species are living together is called symbiosis

7. Example of food chain

Ans: Grass Grass hopper Hawk

8. Food chain

Ans: The dependence of one trophic level on other trophic level for food

9. Energetics

Ans: The study of principles of energy and its changes

10. GPP full form

Ans: Gross primary productivity