

Class: XIIth **Subject: BIOLOGY DPP No. : 2** Date:

 In grazing food chain energy comes from the state of the	пош
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- a) Organic remain
- b) Air

- c) Water
- d) All of these
- 2. The amount of usable energy, which is available for doing work, when the temperature and pressure are uniform throughout the system is called
 - a) Enthalpy
- b) Activation energy
- c) Spontaneous energy d) Free energy
- 3. Which one of the following is correct for xerarch succession?
 - a) Successional series from xeric to mesic condition
 - c) Both (a) and (b)

- b) Successional series from hydric to mesic condition
- d) None of the above

- 4. Biotic components refer to
 - a) Gases produced by industries
 - c) Living organisms

- b) Nutrient-deficient soil
- d) Fossil fuels
- 5. Which one of the following is correct matching of a plant, its habitat and the forest type where it normally occurs?
 - a) Prosopis, tree, scrub

- b) Saccharum officinarum, grass, forest
- c) *Shorea robusta*, herb, tropical rain forest
- d) Acacia catechu, tree, coniferous forest
- 6. Select the options that correctly identifies *A*,*B* and *C* in the given table

Organisms	Trophic	Types of	
	Level	Food Chains	
Eagle	A	Grazing	
Earthworm	Primary	B	
	consumer		
\mathcal{C}	Secondary	Grazing	
	consumer		

- a) A-Secondary consumer, B-Grazing, C-Algae b) A-Top carnivore, B-Detritus, C-Frog
- c) A-Scavenger, B-Grazing, C-Hawk
- d) A-Decomposer, B-Detritus, C-Perch
- 7. What is common in earthworm, soil mites and dung beetle in an ecosystem?
 - a) They all are detritivores

b) Primary consumer

c) Secondary consumer

d) Tertiary consumer

8.	Which one of the following is involved in sedimentary cycle?					
	a) Carbon	b) Nitrogen	c) Hydrogen	d) Phosphorus		
9.	=	pyramid is always upri b) Pyramid of number	=			
10.	II. The amount of biom plants during photosyn III. Primary production	essed in gm ⁻² yr ⁻¹ or (kc lass or organic matter p nthesis is called primary n is expressed in term of re efficiency to trap sun	roduced per unit area o production weight (g ^{–2}) or energy	v (kcal m ⁻²)		
11.	11. The 10% law is related to a) Mendelian genetics b) Non-Mendelian genetics c) Energy transfer from lower trophic to higher trophic level d) Energy consumption during photosynthesis in C ₄ -plants					
12.	Which of the following a) Plants and phytopla c) Zooplanktons and p		ducers? b) Plants and consum d) Phytoplanktons an			
13. Consider the succession of plants I. In hydrarch succession series progress from hydric to the mesic condition II. In xerarch succession series progress from xerarch to the mesic condition III. In xerarch succession if it is started on bare rock the pioneer species is lichens IV. In hydrarch and xerarch succession series progress from mesarch to xerarch condition Which of the following is correct combination match from above statements? Choose the correct option a) II and III b) III and IV c) II and IV d) I, II and III						
14.	Which creatures are dia a) Protozoans	rect or indirect food of a b) Phytoplankton	all creatures on the oce c) Fish	an's surface? d) Aquatic insects		
15.	An inverted pyramid ofA may occasionally be observed inB communities a) A-energy; B-grassland b) A-energy; B-forest c) A-biomass; B-marine d) A-biomass; B-grassland					
16.	. Which one of the following is not a functional unit of an ecosystem?					

- a) Productivity
- b) Startification
- c) Energy flow
- d) Decomposition
- 17. Which one of the following types of organisms occupy more than one trophich level in a pond ecosystem?
 - a) Phytoplankton
- b) Fish
- c) Zooplankton
- d) Frog

- 18. Humus is
 - a) Dark coloured amorphous organic matter rich in lignin
 - b) Dark coloured organic matter rich in cellulose
 - c) Both (a) and (b)
 - d) Red coloured substances rich in iron
- 19. In terrestrial ecosystem such as forest, maximum energy is found in which tropic level?
 - a) T₁

b) T_2

c) T_3

d) T

- 20. Frog, that feeds on insects, is a
 - a) Primary consumer
 - c) Tertiary consumer



- b) Secondary consumer
- d) Decomposer