

Class : XIIth
Date :
Subject : BIOLOGY
DPP No. : 9

		Topic :- Ecos	system		
1.	A functional aspect of an ecosystem is  a) Productivity and decompositions  c) Both (a) and (b)		b) Energy flow and nutrient cycling d) None of the above		
<ol> <li>Consider the following statements         <ol> <li>In a food chain one organism holds only one position</li> <li>In a food chain the flow of energy can be easily calculated</li> <li>In food chain competition is limited to the members of same trophic level</li> </ol> </li> <li>Which of the statements given above are correct?</li> </ol>					
	a) I, II and III	b) I and II	c) I and III	d) II and III	
3.	What is the percentage of Photosynthetically Active Radiation (PAR), if incident solar radiation is considered 100%?				
	a) 100%	b) 1-6%	c) 2-20%	d) 50%	
4.	Choose the wrong pair.  a) <i>Salvadora</i> – Desert  c) <i>Abies</i> – Coniferous	forest	b) <i>Cenchrus</i> – Savanna d) <i>Tectona</i> – Tempera	te forest	
5.	Which is an example of trua) Pyramid of a biomass	= -	em? c) Pyramid of energy	d) None of the above	
6.	The minimum number of components required for a) Producer and primary consumer c) Primary consumer and decomposer		an ecosystem to survive b) Producer and decomposer d) Primary and secondary consumer		
7.	The 10% energy transfer la) Lederberg	aw of food chain was giv b) Lindemann	ren by c) Weismann	d) Lindley	
8.	In plant succession, when a) Continues to increase	= = = = = = = = = = = = = = = = = = =	ched, the net productivity	d) Becomes stable	
9.	In plant succession, when a) Continues to increase	climax is reached, the ne	et productivity c) Becomes stable	d) Becomes zero	

10.	The transition zone betwee a) Ecotone	en two communities is kno b) Keystone species	own as c) Edge effect	d) Critical link species		
11.	Primary productivity is a) The rate of formation of new organic matter by consumers b) The rate of conversion of light into chemical energy in an ecosystem c) The rate of energy production per unit area over a time period during photosynthesis d) None of the above					
12.	In food chain, maximum e	nergy is stored in				
	a) Producer		b) Primary consumer			
	c) Secondary consumer		d) Decomposer			
13.	3. Consider the following statements about pyramid of biomass  I. When we plot the biomass (net dry weight) of producers, herbivores, carnivores and so on we have a pyramid of biomass  II. Two types of pyramid of biomass are found, <i>i.e.</i> , upright and inverted  III. When larger weight of producers support a smaller of biomass weight of consumers an upright pyramid results					
	• •	f <mark>prod</mark> ucers <mark>supp</mark> ort large	r weight of consumers an in	nverted pyramid of biomass		
	Which of the statements g	i <mark>ven a</mark> bove <mark>are co</mark> rrect?				
	a) I, II and III	b) I, III and IV	c) II, III and IV	d) I, II, III and IV		
14	The final stable community in ecological succession is					
17.	a) Pioneers	b) Sere	c) Climax	d) Carnivores		
	,			,		
15.	In what order do a hawk, §					
	a) Hawk → grass → rabbit		b) Grass → hawk → rabbit			
	c) Rabbit $\rightarrow$ grass $\rightarrow$ hawk		d) Grass → rabbit → hawk			
16.	Pond is defined as a a) Biome	b) Agroecosystems	c) Natural ecosystem	d) Community		
	u) biome	b) rigi occosystems	ej matarar ecosystem	u) dominumey		
17.	What is the amount of car	-		5		
	a) $4 \times 10^{13}$ kg	b) $5 \times 10^{13}$ kg	c) $4 \times 10^{16} \text{kg}$	d) $5 \times 10^{16} \text{kg}$		
18.	Find out the correct order of succession levels in xerarch.  a) Lichen, moss stage, annual herb stage, perennial herb stage, scrub stage, forest b) Annual herb stage, perennial herb stage, lichen, moss stage, scrub stage, forest c) Perennial herb stage, annual herb stage, lichen, moss stage, scrub stage, forest d) Scrub stage, forest, annual herb stage, perennial herb stage, lichen, moss stage					

- 19. Niche is defined as the
  - a) Position of species in a community in relation to other species
  - b) Place where organism lives
  - c) Place where organism lives and performs its duty
  - d) Place where population perform their duties
- 20. In the phosphorus cycle, weathering makes phosphate available first to
  - a) Producers
- b) Decomposers
- c) Consumers
- d) None of these

