CHAPTER : ECOSYSTEM Total Marks: 30

OPEN STUDENT FOUNDATION STD 12TH Biology PRACTICE SHEET DAY 10

		S	ection A	
•	Choose correct answer f	rom the given optio	ons. [Each carries 1 Mark]	[10]
1.	Decomposers like fungi	and bacteria are :		
	(i) autotrophs	(ii) heterotrophs		
	(iii) saprotrophs	(iv) chemo-autotrop	hs	
	Choose the correct answ	ver :		
	(A) i and iii	(B) i and iv	(C) ii and iii	(D) i and ii
2.	The process of mineral	isation by micro org	ganisms helps in the relea	ase of
	(A) inorganic nutrients	from humus		
	(B) both organic and in	-	om detritus	
	(C) organic nutrients fro			
	(D) inorganic nutrients			
3.	•	of production of bio	omass expressed in terms	of:
	(i) (kcal m^{-3}) yr^{-1}			
	(ii) $g^{-2} yr^{-1}$			
	(iii) $g^{-1} yr^{-1}$			
	(iv) (kcal m ⁻²) yr ⁻¹ (A) ii	(B) iii	(C) ii and iv	(D) i and iii
4.				
4.			and in which ecosystem ?	
5	(A) Forest	(B) Marine	(C) Grass land	(D) Tundra
5.	Which of the following	-	(C) Volvox	(D) Nostoc
((A) Spirogyra	(B) Agaricus	(C) volvox	(D) Nostoc
6.	Pyramid of numbers is	:	(D) Al	
	(A) Always upright	vorted	(B) Always inver	
7	(C) Either upright or in		(D) Neither uprig	
7.			y that falls on the leaves of	a plant is converted to chemical
	energy by photosynthes (A) Less than 1%	(B) 2-10%	(C) 30%	(D) 50%
8.				(D) 50%
0.	The sequence of comm		lrophytes, rooted hydroph	wtee grasses and trees
			es, rooted hydrophytes, see	
			plankton, rooted hydroph	
	• • •			es, reed swamp, sedges, meadow
	and trees.			
9.	If the carbon atoms fixe	d by producers alrea	ady have passed through t	hree species, the trophic level of
	the last species would l	be.		
	(A) scavenger		(B) tertiary produ	ıcer
	(C) tertiary consumer		(D) secondary co	onsumer
10.	Which of the following ty	pe of ecosystem is e	xpected in an area where e	evaporation exceeds precipitation,
	and mean annual rainfa	all is below 100 mm	n ?	
	(A) Grassland	(B) Shrubby fores	st (C) Desert	(D) Mangrove
			Pradip sir	

	Section B	
•	Write the answer of the following questions. [Each carries 2 Marks]	[6]
1.	Give Difference : Grazing food chain and Detritus chain	
2.	Give Difference : Upright Pyramid and Inverted Pyramid	
3.	Give Scientific Reason : Energy pyramids are never inverted.	
	Section C	
•	Write the answer of the following questions. [Each carries 3 Marks]	[6]
4.	What will happen to an ecosystem if :(a) All producers are removed;(b) All organisms of herbivore level are eliminated; and(c) All top carnivore population is removed	
5.	The biodiversity increases when one moves from the pioneer to the climax stage. What could be explanation ?	the
	Section D	
•	Write the answer of the following questions. [Each carries 4 Marks]	[8]
6.	Explain various types of ecological pyramids.	
7.	Mention various steps included in the process of decomposition.	

Pradip sir

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Section [A] : 1 Mark MCQ No Ans Chap Sec Que Universal_Queld С Chap 12 S5 1 1. QP23P11B1214_P1C12S5Q1 2. А Chap 12 S5 2 QP23P11B1214_P1C12S5Q2 3. С Chap 12 QP23P11B1214_P1C12S5Q3 S5 3 4. В Chap 12 S5 4 QP23P11B1214_P1C12S5Q4 В Chap 12 S5 5 QP23P11B1214_P1C12S5Q5 5. С 6. Chap 12 S5 7 QP23P11B1214_P1C12S5Q7 7. В Chap 12 S5 QP23P11B1214_P1C12S5Q8 8 8. D Chap 12 S5 14 QP23P11B1214_P1C12S5Q14 С 9. Chap 12 S5 16 QP23P11B1214_P1C12S5Q16 С 10. Chap 12 S5 17 QP23P11B1214_P1C12S5Q17

Section [B] : 2 Marks Questions					
No	Ans	Chap	Sec	Que	Universal_Queld
1.	-	Chap 12	S2	1	QP23P11B1214_P1C12S2Q1
2.	-	Chap 12	S2	3	QP23P11B1214_P1C12S2Q3
3.	-	Chap 12	S2	6	QP23P11B1214_P1C12S2Q6

Section [C] : 3 Marks Questions					
No	Ans	Chap	Sec	Que	Universal_Queld
4.	-	Chap 12	S8	8	QP23P11B1214_P1C12S8Q8
5.	-	Chap 12	S8	10	QP23P11B1214_P1C12S8Q10

Section [D]: 4 Marks Questions					
No	Ans	Chap	Sec	Que	Universal_Queld
6.	-	Chap 12	S1	7	QP23P11B1214_P1C12S1Q7
7.	-	Chap 12	S1	5	QP23P11B1214_P1C12S1Q5

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