

OPEN STUDENT FOUNDATION

CHAPTER : ORGANISM AND POPULATION STD 12TH Biology PRACTICE SHEET DAY 9

Date : 27/02/24

Time: 1 hr

Section A

- Choose correct answer from the given options. [Each carries 1 Mark] [11]
- Autecology is the
 - Relation of heterogenous populations to its environment
 - Relation of an individual to its environment
 - Relation of a community to its environment
 - Relation of a biome to its environment
 - Ecotone is
 - A polluted area
 - The bottom of a lake
 - A zone of transition between two communities
 - A zone of developing community
 - Biosphere is
 - a component in the ecosystem
 - composed of the plants present in the soil
 - life in the outer space
 - composed of all living organisms present on earth which interact with the physical environment
 - Ecological niche is
 - the surface area of the ocean
 - an ecologically adapted zone
 - the physical position and functional role of a species within the community
 - formed of all plants and animals living at the bottom of a lake
 - According to Allen's Rule, the mammals from colder climates have
 - shorter ears and longer limbs
 - longer ears and shorter limbs
 - longer ears and longer limbs
 - shorter ears and shorter limbs
 - Salt concentration (Salinity) of the sea measured in parts per thousand is
 - 10 – 15
 - 30 – 70
 - 0 – 5
 - 30 – 35
 - Formation of tropical forests needs mean annual temperature and mean annual precipitation as
 - 18 – 25°C and 150 – 400 cm
 - 5 – 15°C and 50 – 100 cm
 - 30 – 50°C and 100 – 150 cm
 - 5 – 15°C and 100 – 200 cm
 - Which of the following forest plants controls the light conditions at the ground ?
 - Lianas and climbers
 - Shrubs
 - Tall trees
 - Herbs
 - What will happen to a well growing herbaceous plant in the forest if it is transplanted outside the forest in a park ?
 - It will grow normally
 - It will grow well because it is planted in the same locality
 - It may not survive because of change in its micro climate
 - It grows very well because the plant gets more sunlight
 - Amensalism is an association between two species where
 - one species is harmed and other is benefitted
 - one species is harmed and other is unaffected
 - one species is benefitted and other is unaffected

(D) both the species are harmed.

11. A protozoan reproduces by binary fission. What will be the number of protozoans in its population after six generations ?
- (A) 128 (B) 24 (C) 64 (D) 32

Section B

- Write the answer of the following questions. [Each carries 2 Marks] [8]

1. Explain commensalism with appropriate examples.
2. Explain logistic growth
3. Give reason : Decomposer essential in nature.
4. Give reason : The members of a population do not breed with other population.

Section C

- Write the answer of the following questions. [Each carries 3 Marks] [3]

5. Describe mutualism in detail.

Section D

- Write the answer of the following questions. [Each carries 4 Marks] [8]

6. Explain predation in detail.
7. Explain exponential growth.



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Total Marks: 30

PRACTICE SHEET DAY 9

Time: 1 hr

Section [A] : 1 Mark MCQ

No	Ans	Chap	Sec	Que	Universal_Queld
1.	B	Chap 11	S5	1	QP23P11B1214_P1C11S5Q1
2.	C	Chap 11	S5	2	QP23P11B1214_P1C11S5Q2
3.	D	Chap 11	S5	3	QP23P11B1214_P1C11S5Q3
4.	C	Chap 11	S5	4	QP23P11B1214_P1C11S5Q4
5.	D	Chap 11	S5	5	QP23P11B1214_P1C11S5Q5
6.	D	Chap 11	S5	6	QP23P11B1214_P1C11S5Q6
7.	A	Chap 11	S5	7	QP23P11B1214_P1C11S5Q7
8.	C	Chap 11	S5	8	QP23P11B1214_P1C11S5Q8
9.	C	Chap 11	S5	9	QP23P11B1214_P1C11S5Q9
10.	B	Chap 11	S5	17	QP23P11B1214_P1C11S5Q17
11.	C	Chap 11	S5	15	QP23P11B1214_P1C11S5Q15

Section [B] : 2 Marks Questions

No	Ans	Chap	Sec	Que	Universal_Queld
1.	-	Chap 11	S1	10R2	QP23P11B1214_P1C11S1Q10R2
2.	-	Chap 11	S1	3.1	QP23P11B1214_P1C11S1Q3.1
3.	-	Chap 11	S2	6	QP23P11B1214_P1C11S2Q6
4.	-	Chap 11	S2	7	QP23P11B1214_P1C11S2Q7

Section [C] : 3 Marks Questions

No	Ans	Chap	Sec	Que	Universal_Queld
5.	-	Chap 11	S1	11	QP23P11B1214_P1C11S1Q11

Section [D] : 4 Marks Questions

No	Ans	Chap	Sec	Que	Universal_Queld
6.	-	Chap 11	S1	6	QP23P11B1214_P1C11S1Q6
7.	-	Chap 11	S1	3R	QP23P11B1214_P1C11S1Q3R