

**STD:12 EM BIOLOGY – TEST SERIES Max Mark :25****C6-PRINCIPLES OF ECOLOGY****I. CHOOSE THE CORRECT ANSWERS****5 x 1 =5**

1. Identify the A, B, C and D in the given table.

Interaction	Effects on species X	Effects on species Y
Mutualism	A	(+)
B	(+)	(-)
Competition	(-)	C
D	(-)	0

- a ) A-(+), B-Parasitism, C-(-), D-Amensalism  
 b ) A-(-), B-Mutalism, C-(+), D-Competition  
 c ) A-(+), B-Competition, C-(0), D-Mutalism  
 d ) A-(0), B-Amensalism, C-(+), D-Parasitism

2. Which of the given plant produces cardiac glycosides?

- a ) Calotropis      b ) Acacia      c ) Nepenthes      d ) Utricularia

3. In soil water available for plants is

- a ) gravitational water      b ) chemically bound water  
 c ) capillary water      d ) hygroscopic water

4. A specific place in an ecosystem, where an organism lives and performs its functions is

- a ) habitat      b ) niche      c ) landscape      d ) biome

5. Read the following statements and fill up the blanks with correct option.

i) Total soil water content in soil is called \_\_\_\_\_.

ii) Soil water not available to plants is called \_\_\_\_\_.

iii) Soil water available to plants is called \_\_\_\_\_.

- a ) i-Holard, ii-Echard, iii-Chresard      b ) i-Echard, ii-Holard, iii-Chresard  
 c ) i-Chresard, ii-Holard, iii-Echard      d ) i-Holard, ii-Chresard, iii-Echard

**II VERY SHORT ANSWERS****3 x 2 = 6**

6. The organic horizon is generally absent from agricultural soils because tilling, e.g., plowing, buries organic matter. Why is an organic horizon generally absent in desert soils?

7. Soil formation can be initiated by biological organisms. Explain how?

8. How does an orchid ophrys ensures its pollination by bees ?

**III SHORT ANSWERS****3 x 3 = 9**

9. What is thermal stratification? Mention their types.

10. How is anemochory differ from zoochory?

11. What is co-evolution?

**IV LONG ANSWERS****1 x 5 = 5**

12. Enumerate the anatomical adaptations of xerophytes.

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