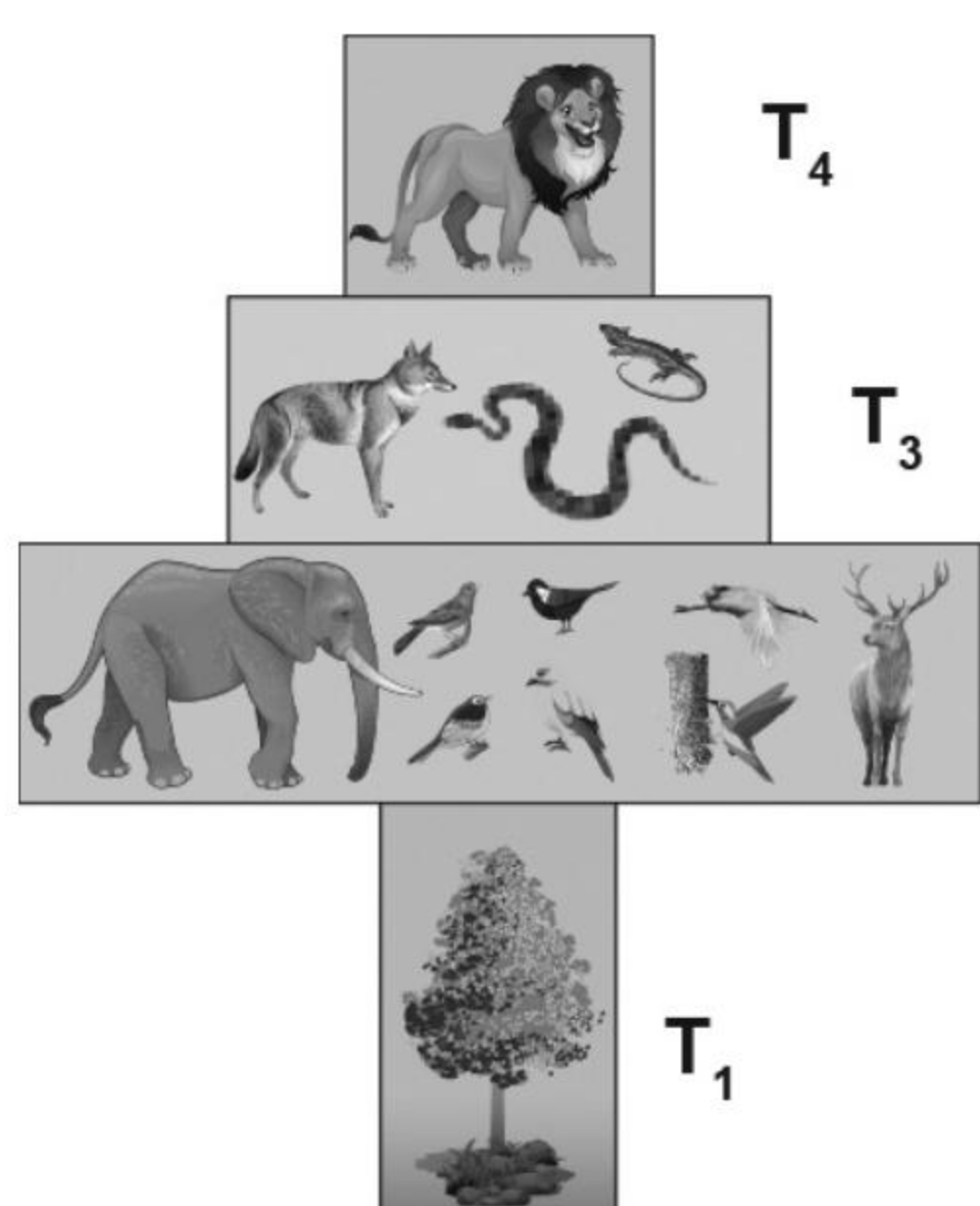


**STD:12 EM BIOLOGY – TEST SERIES Max Mark :25****C7-ECOSYSTEM****I CHOOSE THE CORRECT ANSWERS****5 x 1 = 5**

- Solar energy used by green plants for photosynthesis is only  
a ) 2 – 8%      b ) 2 – 10%      c ) 3 – 10%      d ) 2 – 9%
- Which of the following ecosystem has the highest primary productivity?  
a ) Pond ecosystem      b ) Lake ecosystem  
c ) Grassland ecosystem      d ) Forest ecosystem
- Ecosystem consists of  
a ) decomposers      b ) producers      c ) consumers      d ) all of the above
- The following diagram represents:



- pyramid of number in a grassland ecosystem
- pyramid of number in a pond ecosystem
- pyramid of number in a forest ecosystem
- pyramid of biomass in a pond ecosystem

- Pond ecosystem is  
a ) not self sufficient and self regulating  
b ) partially self sufficient and self regulating  
c ) self sufficient and not self regulating  
d ) self sufficient and self regulating

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

- Productivity of profundal zone will be low. Why?
- Construct the food chain with the following data.  
Hawk, plants, frog, snake, grasshopper.
- What will happen if all producers are removed from ecosystem?

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

- Discuss the gross primary productivity is more efficient than net primary productivity.
- Generally human activities are against to the ecosystem, where as you a student how will you help to protect ecosystem?
- Shape of pyramid in a particular ecosystem is always different in shape. Explain with example.

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

- Various stages of succession are given bellow. From that rearrange them accordingly. Find out the type of succession and explain in detail. Reed-swamp stage, phytoplankton stage, shrub stage, submerged plant stage, forest stage, submerged free floating stage, marsh meadow stage.

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