| Q1 The energy flow in an ecosystem is :   |
|---|
| 1. unidirectional   |
| 2. non-cyclic   |
| <ul><li>3. cyclic</li><li>4. bidirectional</li></ul>  |
| Select the correct answer using the codes given below.  |
| a) 1 and 2 only   |
| b) 1 and 3 only   |
| c) 2 and 4 only   |
| d) 3 and 4 only   |
| Q2.Ozone depletion would impact the plant community in several ways. These include :            |
| 1. increase in photosynthesis   |
| 2. decline in water use efficiency  |
| 3. decline in yield of plants Select the correct answer using the codes given below.            |
| a) 1 and 2 only   |
| b) 1 and 3 only   |
| c) 2 and 3 only   |
| d) 1, 2 and 3   |
| Q3.Which among these is/are a cryogenic indicator of climate change?                            |
| 1. ice sheets and ice chores  |
| 2. sea level changes  |
| 3. lacustrine deposists Select the correct answer using the codes given below.                  |
| a) 1 only   |
| b) 1 and 2 only   |
| c) 2 and 3 only   |
| d) 1, 2 and 3   |
| Q4.The National Air Quality Monitoring Programme (NAMP) run by Central Pollution Control Board, |
| monitors which of the following pollutants at all locations ?                                   |
| 1. carbon dioxide   |
| 2. sulphur dioxide  |
| oxides of nitrogen     suspended particulate matter   |
| Select the correct answer using the codes given below.  |
| a) 1, 2 and 3 only  |
| b) 1 ,3 and 4 only  |
| c) 2 ,3 and 4 only<br>d) 1 ,2, and 4 only   |
| u) 1,2, and 7 only  |

- Q5.The ecological processes follow the principle of uniformitarianism. This means :
- a) the ecological processes have a uniform effect
- b) the same physical and biological processes that operates today operated in the past.
- c) physical and biological processes operate with a uniform rate

## d) None of the above

Q6. Which among the following are mechanical methods of soil conservation?

- 1. bunding
- 2. terracing
- 3. contour farming
- 4. stubble mulching

Select the correct answer using the codes given below.

- a) 1, 2 and 3 only
- b) 1,3 and 4 only
- c) 2,3 and 4 only
- d) 1,2, and 4 only

Q7. Which of the following is a part of the biogeochemical cycle?

- 1. soils
- 2. plants
- 3. atmosphere
- 4. oceans

Select the correct answer using the codes given below.

- a) 1, 2 and 3 only
- b) 1,3 and 4 only
- c) 2,3 and 4 only
- d) 1,2,3 and 4

Q8. Which among these would increase carbon dioxide in the atmosphere?

- 1. deforestation
- 2. burning of firewood
- 3. automobiles

Select the correct answer using the codes given below.

- a) 1 and 2 only
- b) 1 and 3 only
- c) 2 and 3 only
- d) 1, 2 and 3

Q9. In ecological terms, what does the term "standing crop" signify?

- a) total weight of whole organic matter
- b) total weight of heterotrops
- c) total area covered by crops
- d) None of the above

Q10. With reference to forest ecosystems, consider the following statements:

- 1. The number pyramid is neither inverted nor upward.
- 2. The biomass pyramid is inverted.

Which of the statements given above is/are correct?

- a) 1 only
- b) 2 only
- c) Both 1 and 2

d) Neither 1 nor 2

## **Solutions**

S1.Ans.(a)

S2.Ans.(c)

S3.Ans.(a)

S4.Ans.(c)

S5.Ans.(b)

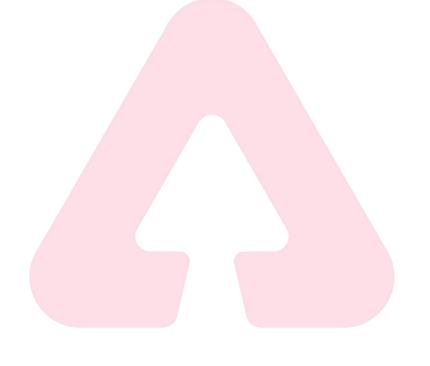
S6.Ans.(a)

S7.Ans.(d)

S8.Ans.(d)

S9.Ans.(a)

S10.Ans.(a)



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