

Q1.. The energy flow in an ecosystem is :

1. unidirectional
2. non-cyclic
3. cyclic
4. bidirectional

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 cores
2. sea level changes
3. lacustrine deposits

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
3. oxides of nitrogen
4. 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
- d) 1, 2, and 4 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 heterotrophs
- 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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