

Environmental Science

Answer all the Questions

Q. No.	Question Description	Marks
1	Energy flow is necessary to maintain the cycle of life. However, as we move upwards in trophic levels, number of species decrease. Use, the energy flow models, to describe this scenario.	5
2	Biodiversity is under constant threat, especially in southeast Asia (Polynesia and Micronesia). What are defining criteria's for biodiversity hot spots. What are the factors affecting biodiversity in above-mentioned places.	5
3	Describe carbon and nitrogen cycles. Identify the components of cycles in which you participate. For which of these components, it would be easiest for you to reduce your impact and why.	10
4	Developing nations generally claims that developed nations are responsible for global warming and therefore must bear the responsibility. Provide the arguments and explanation in support and against of this statement.	10
5	Fossil fuels are known have adverse environmental effects. Many other substitutes has been proposed to overcome such challenges, Using an example, determine the pros and cons about the feasibility such solution.	10
6	Of all the known species, majority of them are insects. Analyse, based on the biodiversity, why there are so many insect species.	10

