

Marks: 25

Time : 30 min

1. What is the role of bacteria and fungi in an ecosystem? 2
2. Distinguish between food chain and food web. 1
3. The number of malaria cases increased tremendously when a large number of frogs were exported from a village, what could be the cause for it? Explain with the help of a food chain. 3
4. How is ozone formed in the upper atmosphere? What causes damage to ozone? Why is it a matter of concern for us? 3
5. Why are some substances biodegradable and others non-biodegradable? Give 2 examples for each. What will happen if biodegradable substances accumulate? 3
6. Write 3 characteristics of energy flow in an ecosystem. 3
7. How much energy will be available to hawks in a food chain comprising of hawk, snake, paddy and mice, if, 1000J of energy is available to plants from the sun. 2
8. What kind of an ecosystem is an aquarium? (natural or man made). Why do we need to clean an aquarium? 2
9. Define biomagnification. Why are highest levels of harmful chemicals found in human beings? 2
10. What is a trophic level? Write 2 food chains to show that one organism may occupy different trophic levels in different food chains. 2
11. Why was the use of kulhads discontinued? 1
12. Identify the biodegradable substances- paper, glass, rock, copper, leather, vegetable peel, plastic toy. 1