

BHARATH COACHING CENTRE

10th CBSE

Our Environment & Management of Natural Resources

Total: 50

Science

Time: 1.30 hrs

SECTION – A

5 x 1 = 5

1. What is biological magnification?
2. Is there mechanism in place to treat the biodegradable wastes?
3. How much of solar energy, falling on the leaves of the plant in a terrestrial ecosystem, is captured?
4. What is reuse strategy?
5. Does an aquarium depict an ecosystem?

SECTION – B

5 X 2 = 10

6. a) What will happen to garbage, dead bodies and decaying organic matter if there are no decomposers in nature?
b) What is the aim of watershed management?
7. a) Why are food chains in nature made up of only 3 or 4 steps or trophic levels?
b) What is reuse strategy? Why is the strategy of reusing the objects considered better than the recycling strategy?
8. a) How do we measure biodiversity of an area?
b) Why do we need to use our resources carefully?
9. a) What are alternatives, besides construction of dams, which can help in water harvesting?
b) How does mining cause pollution?
10. a) What are fossil fuels?
b) Which gases are poisonous?
c) What is kullh?

SECTION – C

5 X 3 = 15

11. Why should sources of energy, other than coal and petroleum, be tapped? Give reasons.
12. What is an ecosystem? What are its components? How do the components interact with each other?
13. How can you help in reducing the problem of waste disposal? Give any three methods.
14. Difference between biodegradable pollutants and non-biodegradable pollutants.
15. From where have materials of road and buildings come?

SECTION – D

4 X 5 = 20

16. How can balance be maintained between environment and development?
17. a) What changes would you suggest at your home in order to be environment friendly?
b) What can you do to reduce consumption of the various natural resources individually?

18. Answer the following questions:

- i) What are greenhouse gases? What are their effects on environment?
- ii) What are their effects of solar radiation on environment?
- iii) How is depletion of ozone layer caused?

19. a) What is food web?

b) What is trophic level? Give an example of a terrestrial food chain and state the different trophic levels in it.

BHARATH