

2020
CLASS - IX
ENVIRONMENTAL EDUCATION

Total marks: 80

Time: 3 hours

General instructions:

- i) The question paper consists of 36 questions.
- ii) Internal choice has been provided in some questions.
- iii) Marks allocated to every question are indicated against it.

N.B: Check that all pages of the question paper is complete as indicated on the top left side.

Choose the correct answer from the given alternatives:

1. Source of energy for life in our biosphere is 1
(a) moon (b) sun
(c) pluto (d) jupiter
2. Foxes and cockroaches are examples of 1
(a) herbivores (b) carnivores
(c) omnivores (d) decomposers
3. Shifting cultivation is an ancient farming method widely practiced in 1
(a) South India (b) South East India
(c) North East India (d) North India
4. Sariska National Tiger Reserve is located in 1
(a) Punjab (b) West Bengal
(c) Jharkhand (d) Rajasthan
5. Which of the following is *not* a non-conventional fuel? 1
(a) solar energy (b) firewood
(c) wind energy (d) tidal energy
6. Which of the following is an example of biotic resource? 1
(a) soil (b) water
(c) forest (d) land
7. The technique by which maximum area of land can be irrigated using minimum amount of water is called 1
(a) drip irrigation (b) irrigation
(c) extensive irrigation (d) intensive irrigation

8. The biggest waste materials consists of **1**
(a) kitchen waste (b) plastic bags
(c) human excreta (d) rubbish
9. Ozone layer protects us from **1**
(a) microbial attack (b) ultraviolet rays
(c) bacterial attack (d) infrared rays
10. Mid-day meal scheme was launched to support **1**
(a) welfare of girls (b) pregnant women
(c) primary education (d) mortality of children

Answer the following questions in one word or one sentence not exceeding 15 words:

11. Name the two types of aquatic systems. **1**
12. Write the meaning of the word 'autotroph'. **1**
13. What is solar energy? **1**
14. Define waste. **1**
15. What is the process called when biodegradable wastes are decomposed by microbes? **1**
16. Which disease has been completely eradicated from our country? **1**

Answer the following questions in about 20-30 words:

17. What are decomposers? Give an example. **2**
18. What is an ecosystem? **2**
19. Write any two functions of pond. **2**
20. Mention any two importance's of forests. **2**
21. Write any two causes of depletion of natural resources. **2**
22. Differentiate between toxic and non-toxic wastes. **2**
23. Write any two advantages of incineration. **2**
24. Write any two main objectives of national policy for empowerment of women. **2**

Answer the following questions in about 30-50 words:

25. List three services that we derive from ecosystem. **3**
26. Mention any three effects of jhum cultivation. **3**

- 27. Write any three major adverse effects of construction of dams. 3
- 28. Write any three uses of water. 3
- 29. Differentiate between biodegradable and non-biodegradable waste. 1½+1½=3
- 30. Name any three types of industries where electrostatic precipitator can be used. 3
- 31. Explain three characteristics of cropland ecosystem. 3

Answer the following questions in about 50-70 words:

- 32. a. State any five forms in which destruction of ecosystem can be seen. 5

Or

 - b. Mention any five factors which are responsible for degradation of an ecosystem.
- 33. a. Write any five important functions of air. 5

Or

 - b. Mention any five important functions of soil.
- 34. a. Write any five priorities for implementing a Master Plan of Operation (MPO) to safeguard the rights of children. 5

Or

 - b. Mention any five roles of women and children towards environment.

Answer the following questions in about 70-100 words:

- 35. a. Write any six tips to protect the environment. 6

Or

 - b. Mention any six environmental laws for protection of environment.
- 36. a. Write any six points of concern causing destruction of ecosystem. 6

Or

 - b. Define conservation. Mention five measures to tackle excessive use of fossil fuels. 1+5=6
