

Ba/Bc/Bs/EVS-501

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(5th Semester)

ENVIRONMENTAL STUDIES

Paper No. : EVS-501

Full Marks : 70

Pass Marks : 45%

Time : 3 hours

The figures in the margin indicate full marks for the questions

SECTION—A

Put a Tick ☒ mark against the correct answer in the box provided : 1×15=15

1. The objective of Environmental Studies is

- (a) to raise consciousness about environment conditions ☐
- (b) to teach environmentally appropriate behaviour ☐
- (c) to create an environmental ethic-sensitive society ☐
- (d) All of the above ☐

2. The basic requirements of human beings are provided by

(a) industrialization ☐

(b) agriculture ☐

(c) nature ☐

(d) urbanization ☐

3. Earth Day is celebrated on

(a) April 22 ☐

(b) April 21 ☐

(c) June 5 ☐

(d) June 21 ☐

4. The word 'environment' is derived from

(a) Greek ☐

(b) French ☐

(c) Spanish ☐

(d) English ☐

5. Biogas contains mainly

- (a) methane ☐
- (b) propane ☐
- (c) butane ☐
- (d) carbon dioxide ☐

6. Resources which are directly derived from nature are referred to as

- (a) organic resources ☐
- (b) natural resources ☐
- (c) manmade resources ☐
- (d) None of the above ☐

7. Energy from the sun is called

- (a) solar energy ☐
- (b) wind energy ☐
- (c) tidal energy ☐
- (d) water energy ☐

8. The discharge of warm/hot water directly into rivers is known as

- (a) water pollution ☐
- (b) thermal pollution ☐
- (c) marine pollution ☐
- (d) None of the above ☐

9. Noise is measured by sound meter and the unit is

- (a) hertz ☐
- (b) joule ☐
- (c) decibel ☐
- (d) second ☐

10. Which gas is responsible for the global warming?

- (a) Nitrogen ☐
- (b) Carbon dioxide ☐
- (c) Noble gas ☐
- (d) Hydrogen ☐

11. Chernobyl Disaster is associated with

- (a) nuclear accident ☐
- (b) landslide ☐
- (c) earthquake ☐
- (d) acid rain ☐

12. In which National Park, 'lion' is being conserved?

- (a) Corbett ☐
- (b) Gir ☐
- (c) Kaziranga ☐
- (d) Dudhwa ☐

13. Which of the following is a renewable resource?

- (a) Mineral ☐
- (b) Forest ☐
- (c) Soil ☐
- (d) Petroleum ☐

14. Greenhouse gas is

- (a) nitrogen ☐
- (b) oxygen ☐
- (c) hydrogen ☐
- (d) carbon dioxide ☐

15. UV radiation causes cancer of

- (a) skin ☐
- (b) mouth ☐
- (c) liver ☐
- (d) lung ☐

SECTION—B

A. Answer the following questions in not more than 100 words each : **2×5=10**

1. Mention the role of individual in the conservation of natural resources.

2. Define the term 'environment'.

3. Define ecosystem.

4. What are the two main sources of air pollution?

5. List few steps to control the population growth.

B. Answer any *three* of the following questions : $5 \times 3 = 15$

1. Write a note on multidisciplinary nature of environment.

2. Distinguish between renewable and non-renewable resources.

3. Discuss the methods to control soil pollution.

4. Discuss various issues and measures for women and child at national level.

5. Write a note on need of public awareness about environment.

Discuss the role of producers, consumers and decomposers in an ecosystem.

C. Answer any *three* of the following questions : 10×3=30

1. Discuss the role of producers, consumers and decomposers in an ecosystem. 10

2. Explain the importance of forest resources.

10

3. Elaborate on the genetic diversity, species diversity and ecosystem diversity. 10

4. Define marine pollution. What are the sources and effects of marine pollution? $2+4+4=10$

5. What is ENVIS? Discuss about the role of Information Technology in conserving environment. 2+8=10