

# Ba/Bs/Bc/Bba/Bca/EVS-601

2025

( 6th Semester )

## ENVIRONMENTAL STUDIES

Paper : EVS-601

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. Ecosystem has two components. They are

(a) plants and animals ☐

(b) weed and trees ☐

(c) biotic and abiotic ☐

(d) frogs and snakes ☐

( 2 )

2. Which one of the following is the correct sequence of ecosystems in the order of decreasing productivity?

(a) Oceans, lakes, grasslands, mangroves ☐

(b) Mangroves, oceans, grasslands, lakes ☐

(c) Mangroves, grasslands, lakes, oceans ☐

(d) Oceans, mangroves, lakes, grasslands ☐

3. The part of the earth where living organism inhabits is called

(a) biome ☐

(b) biotrophy ☐

(c) biosphere ☐

(d) biodata ☐

( 3 )

4. The capacity to do work is called

(a) power ☐

(b) force ☐

(c) strength ☐

(d) energy ☐

5. Plants lose water through leaves by a process called

(a) condensation ☐

(b) precipitation ☐

(c) transpiration ☐

(d) evaporation ☐



( 4 )

6. Estuaries have which of the following characteristics?

- (a) Freshwater and saltwater ☐
- (b) Rich biodiversity ☐
- (c) High productivity ☐
- (d) All of the above ☐

7. Accumulation of non-biodegradable materials in the food chain is called

- (a) biomagnification ☐
- (b) detoxification ☐
- (c) eutrophication ☐
- (d) None of the above ☐

( 5 )

8. Which of the following is a fossil fuel?

- (a) Oil ☐
- (b) Coal ☐
- (c) Natural gas ☐
- (d) All of the above ☐

9. Bhopal Gas Tragedy occurred due to the leakage of

- (a) methyl chloride ☐
- (b) sulphur dioxide ☐
- (c) nitrogen dioxide ☐
- (d) methyl isocyanate (MIC) ☐

10. The Earth Day is observed on

(a) 21st April ☐

(b) 22nd April ☐

(c) 5th June ☐

(d) 11th March ☐

11. The energy harnessed from the hot rocks present inside the earth is called

(a) ocean thermal energy ☐

(b) nuclear energy ☐

(c) geothermal energy ☐

(d) None of the above ☐

12. Which of the following is the cause of soil erosion?

(a) Unrestricted grazing ☐

(b) Overcultivation ☐

(c) Deforestation ☐

(d) All of the above ☐

13. Yellowing of Taj Mahal is an effect of

(a) acid rain ☐

(b) global warming ☐

(c) ozone depletion ☐

(d) All of the above ☐



14. Which of the following Articles recognizes environmental protection as one of the fundamental duties of every citizen of India?

(a) Article 42 ☐

(b) Article 48A ☐

(c) Article 51A(g) ☐

(d) Article 52 ☐

15. When did the Environmental Protection Act come into force?

(a) 1980 ☐

(b) 1981 ☐

(c) 1974 ☐

(d) 1986 ☐

## SECTION—B

Answer the following in short :

2×5=10

1. What are the different types of ecosystems?

14. 2. Which is the largest ecosystem in the world?

(a) Article 42 ☐

(b) Article 48A ☐

(c) Article 51A(g) ☐

(d) Article 53 ☐

3. What is global warming?

15. When did the Environmental Protection Act come into force?

(a) 1980 ☐

(b) 1981 ☐

(c) 1974 ☐

(d) 1986 ☐

4. Mention two ways to manage solid waste.

5. Write a short note on ecological pyramids.

( 12 )

SECTION—C

Answer the following questions :

5×3=15

1. What is the difference between the food chain and the food web?

5

( 13 )

2. How do modern agricultural methods affect our environment?

5

1. What is ecosystem? Write short notes on ecosystem and aquatic ecosystem.



( 14 )

3. Write a note on soil erosion. 5

Answer the following questions : 5

1. What is the difference between the food chain and the food web? 5

( 15 )

SECTION—D

Answer the following questions : 10×3=30

1. What is ecosystem? Write short notes on forest ecosystem and aquatic ecosystem. 2+4+4=10



( 18 )

2. Explain Love Canal disaster and Bhopal Gas Tragedy. 5+5=10

( 19 )

3. Write short notes on the following :

5+5=10

- (a) Hot spots of biodiversity
- (b) Poaching of wildlife

( 20 )

2. Explain Love Canal disaster and Bhopal Gas Tragedy. 5+5=10

( 21 )

3. Write short notes on the following :

5+5=10

(a) Hot spots of biodiversity

(b) Poaching of wildlife

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