

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

2023

(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. The linear transfer of food energy from plants through organisms is known as

- (a) ecological succession ☐
- (b) food chain ☐
- (c) food web ☐
- (d) trophic level ☐

2. How many biodiversity hotspots are there in India?

(a) 1 ☐

(b) 2 ☐

(c) 3 ☐

(d) 4 ☐

3. Eutrophication is caused due to

(a) detergents ☐

(b) fertilizers ☐

(c) sewage ☐

(d) All of the above ☐

4. Who coined the term 'ecosystem'?

(a) Rachel Carson ☐

(b) Charles Darwin ☐

(c) A. G. Tansley ☐

(d) Aristotle ☐

5. Pick the odd one out from the following.

(a) Paper ☐

(b) Plastic ☐

(c) Wood chippings ☐

(d) Dead leaves ☐

6. Tsunami is caused by

(a) earthquakes under the sea ☐

(b) high tides ☐

(c) sea storm ☐

(d) earthquakes on the land ☐

7. The World Forest Day is observed on

(a) 5th June ☐

(b) 22nd April ☐

(c) 21st March ☐

(d) 21st June ☐

8. Species going to be extinct in the near future are known as

(a) endangered ☐

(b) rare ☐

(c) critical ☐

(d) All of the above ☐

9. An example of lentic habitat is

(a) river ☐

(b) pond ☐

(c) canal ☐

(d) stream ☐

10. What is Red Data Book?

(a) The Red Data Book is a document ☐

(b) The Red Data Book is about animal ☐

(c) The Red Data Book has a record of all the endangered species ☐

(d) The Red Data Book is book with red covers ☐

11. When was the Wildlife Protection Act launched?

(a) 1992 ☐

(b) 1982 ☐

(c) 1972 ☐

(d) 1962 ☐

12. Which of the following zones comes under the highest earthquake seismic zones of India?

(a) North zone ☐

(b) Northeastern zone ☐

(c) Northwestern zone ☐

(d) Southeastern zone ☐

13. The process of destroying waste materials by burning in the absence of oxygen is

(a) combustion ☐

(b) pyrolysis ☐

(c) incineration ☐

(d) composting ☐

14. Where do you predominantly find ozone in the atmosphere?

(a) Troposphere ☐

(b) Stratosphere ☐

(c) Mesosphere ☐

(d) Thermosphere ☐

15. Which ecological pyramid is always upright?

(a) Pyramid of energy ☐

(b) Pyramid of number ☐

(c) Pyramid of biomass ☐

(d) None of the above ☐

SECTION—B

Answer the following in short :

2×5=10

1. What is food chain? Give example.

2. Write a note on ecological pyramids.

3. What is the difference between *in-situ* and *ex-situ* conservation?

4. What measures should an individual take to control environmental pollution?

5. What is nuclear holocaust?

(10)

SECTION—C

Answer the following :

5×3=15

1. Write the cause and effect of floods and cyclones.

2. What do you mean by ecological succession? Discuss the process of ecological succession. 1+4=5

3. Discuss solid waste management.

SECTION—D

Answer the following :

10×3=30

1. What do you understand by climate change?
What are the causes and problems associated with
ozone layer depletion?
2+4+4=10

2. Why is it important to use alternative energy resources? Differentiate between renewable and non-renewable energy resources supported by examples. 5+5=10

3. What are some of the threats related to biodiversity?

Write a note on man-wildlife conflicts.

5+5=10