

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