

MD-1/EVS

2023

(FYUGP)

(1st Semester)

ENVIRONMENTAL SCIENCE

Paper Code. : MD-1/EVS

Full Marks : 37½

Pass Marks : 40%

Time : 2 hours

(PART : B—DESCRIPTIVE)

(Marks : 25)

*The figures in the margin indicate full marks
for the questions*

Answer any *five* of the following questions : 5×5=25

1. Discuss the various steps involved in the solid waste management.
2. Explain the structure and function of ecosystem.
3. Discuss the biogeographical regions/zones in India.

24L/407a

(Turn Over)

4. What measures as an individual will you take to conserve natural resources?
5. Explain the effects and mitigation measures of air pollution.
6. Explain the concept and scope of environmental management.
7. What are the main steps involved in rescue planning and relief works?
8. Define environmental hazard. Explain the types of environmental hazards.
9. Write a brief account on constitutional provisions for environment protection in India.
10. Discuss the value of biodiversity.

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(PART : A—OBJECTIVE)

(Marks : $12\frac{1}{2}$)

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A. Put a Tick (✓) mark against the correct answer in the brackets provided : $\frac{1}{2} \times 15 = 7\frac{1}{2}$

1. An example of major ozone depleting substance is

(a) NO_2 ()

(b) CH_4 ()

(c) CFC ()

(d) SO_2 ()

2. The last stage of succession is known as

(a) reaction ()

(b) invasion ()

(c) stabilization ()

(d) nudation ()

3. A decibel is the standard for measurement of

- (a) pressure ()
- (b) noise ()
- (c) temperature ()
- (d) None of the above ()

4. What type of disaster is most prominent in India?

- (a) Flood ()
- (b) Earthquake ()
- (c) Cyclone ()
- (d) Landslide ()

5. Ecology is the study of

- (a) surroundings ()
- (b) water ()
- (c) earth ()
- (d) human life ()

6. The major cause of deforestation is

- (a) shifting cultivation ()
- (b) fuel requirements ()
- (c) raw material for industries ()
- (d) All of the above ()

7. Ecosystem was coined by

(a) Ernst Haeckel ()

(b) A. G. Tansley ()

(c) Eugene Odum ()

(d) Charles Elton ()

8. Blue baby syndrome (methemoglobinemia) is caused by the contamination of water due to

(a) phosphates ()

(b) nitrates ()

(c) sulphur ()

(d) arsenic ()

9. The Environment Protection Act was passed in India in the year

(a) 1974 ()

(b) 1981 ()

(c) 1986 ()

(d) 1995 ()

10. Overgrazing results in

- (a) productive soils ()
- (b) soil erosion ()
- (c) retention of useful species ()
- (d) All of the above ()

11. The World Population Day is observed every year on

- (a) 11th of July ()
- (b) 16th of July ()
- (c) 22nd of April ()
- (d) 16th of April ()

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

- (a) food web ()
- (b) food chain ()
- (c) productivity ()
- (d) ecological succession ()

13. Disaster management includes

- (a) mitigation ()
- (b) reconstruction ()
- (c) rehabilitation ()
- (d) All of the above ()

14. Population explosion occurs due to

- (a) high birthrate ()
- (b) high death rate ()
- (c) low birthrate ()
- (d) high birthrate and low death rate ()

15. An event that has the potential to cause harm is called

- (a) risk ()
- (b) danger ()
- (c) hazard ()
- (d) vulnerability ()

B. Answer any *five* of the following questions : 1×5=5

1. Define ecological succession.

(7)

2. What is sustainable development?

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3. Define water pollution.

4. Define vulnerability.

(10)

5. What is 3R?

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6. Mention two factors responsible for population growth.

7. What is meant by environmental law?

(13)

8. Define disaster mitigation.

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