

2015

( 1st Semester )

ENVIRONMENTAL SCIENCE

Paper No. : EVS-101

( **Fundamentals of Environmental Science** )

Full Marks : 55

Time : 2½ hours

( PART : B—DESCRIPTIVE )

( Marks : 35 )

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

1. Define environment. Discuss the scope and importance of environment. Add a note on the multidisciplinary nature of environmental studies. 1+4+2=7

Or

Give detailed accounts on—

- (a) physicochemical factors in the environment;
- (b) environmental ethics. 3½+3½=7

G16/32a

( Turn Over )

2. Define ecological succession. Describe the process of ecological succession in pond or on a bare rock. 2+5=7

Or

What is the concept of ecosystem? Classify with suitable examples. 2+5=7

3. Write in detail the composition and structure of the atmosphere. 3+4=7

Or

Write short notes on : 3½+3½=7

- (a) Carbon cycle
- (b) Oxygen cycle

4. What is biome? What are the factors that determine the nature and extent of a biome? Give a detailed account of Tundra biome. 2+2+3=7

Or

Write short notes on : 3½+3½=7

- (a) Lentic ecosystem
- (b) Lotic ecosystem

5. On what basis human societies are classified?  
Classify human societies on the basis of their  
subsistences. 2+5=7

Or

Write short notes on : 3½+3½=7

(a) Impact of dam construction

(b) Urbanization

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2015

( 1st Semester )

**ENVIRONMENTAL SCIENCE**

Paper No. : EVS-101

**( Fundamentals of Environmental Science )**

( PART : A—OBJECTIVE )

( Marks : 20 )

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

SECTION—A

( Marks : 5 )

I. Put a Tick (✓) mark in the brackets provided against the correct answer : 1×5=5

1. Which one of the following is not a physicochemical factor?

(a) Temperature ( )

(b) Light ( )

(c) Humidity ( )

(d) Plants ( )

2. The term 'ecology' was first proposed by

(a) Ernst Haeckel ( )

(b) E. P. Odum ( )

(c) A. G. Tansley ( )

(d) Ramdeo Mishra ( )

3. The region of the earth that encompasses all living organisms is

(a) atmosphere ( )

(b) hydrosphere ( )

(c) lithosphere ( )

(d) biosphere ( )

4. Plants that do not like growing on soils that contain lime are called

(a) xerophytic plants ( )

(b) hydrophytes ( )

(c) ericaceous plants ( )

(d) lithophytes ( )

5. Deforestation increases the concentration of

(a) CH<sub>4</sub> ( )

(b) CCl<sub>4</sub> ( )

(c) CFCs ( )

(d) CO<sub>2</sub> ( )

( 4 )

SECTION—B

( Marks : 15 )

II. Answer/Write short notes on the following : 3×5=15

1. Social environment

2. Distinguish between food chain and food web.

(a)  $CH_4$

(b)  $CCl_4$

(c) CFCs

(d)  $CO_2$

3. Nitrogen-fixing organisms

II. Answer/Write short notes on the following :

1. Soil environment

4. Tropical rain forest

(First Semester)

ENVIRONMENTAL SCIENCE

Paper No. : EVS-101

(Fundamentals of Environmental Science)

Part - A - (Short Questions)

(Marks: 20)

The figures in the margin indicate full marks for the questions

SECTION - A

(Marks: 5)

1. Put a Tick (✓) mark in the brackets provided against the correct answer. (5)

1. Which one of the following is not a physicochemical factor?

- (a) Temperature ( )
- (b) Light ( )
- (c) Humidity ( )
- (d) Plant ( )

5. Major types of environment in man-environment interaction

- (a) Ernst Haeckel
- (b) E. P. Odum
- (c) A. G. Tansley
- (d) Frederic Mook

3. The region of the earth that encompasses all living organisms is

- (a) atmosphere
- (b) hydrosphere
- (c) lithosphere
- (d) biosphere

4. Plants that do not like growing on soils that contain lime are called

- (a) Acrophytic plants
- (b) hydrophytes
- (c) calcareous plants
- (d) lithophytes

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