

PM



PM

2 MAY 2016

EVST/IV/A11

2016

(4th Semester)

ENVIRONMENTAL STUDIES

Paper : EVS-I

Full Marks : 75

Time : 3 hours

(PART : B—DESCRIPTIVE)

(Marks : 50)

The figures in the margin indicate full marks for the questions

UNIT—I

1. What do you understand by the term 'environment'? Why is public awareness necessary for our environment? 2+8=10

Or

Define surface water and groundwater. Is land a renewable or a nonrenewable resource?

Explain your answer. 2+8=10

ed in by the candidate

Semester

e / Commerce /

) Exam., 2016

pe

nature of candidate(s)

/272

Govt. J.Thankima College

(2)

UNIT—II

2. Define ecosystem. Explain energy flow in an ecosystem. 2+8=10

Or

Briefly describe the structure and functions of ecosystem. 10

UNIT—III

3. Define endangered species. What kinds of threat to the biodiversity may lead to its loss? 2+8=10

Or

Give accounts on any two of the following : 5+2=10

- (a) *Ex situ* or *In situ* conservation
- (b) Habitat loss
- (c) Concept and criteria of biodiversity hot spots

UNIT—IV

4. What is air pollution? Write a note on the causes and control measures of air pollution. 2+8=10

G16/272a

(Continued)

(3)

Or

Write notes on any two of the following : 5+2=10

- (a) Earthquake
- (b) Landslide
- (c) Control Measures of Urban and Industrial Wastes
- (d) Causes of Soil Pollution

UNIT—V

5. Write notes on any two of the following : 5+2=10

- (a) Watershed Management
- (b) Chipko Movement
- (c) Carrying Capacity of Environment
- (d) Population Explosion

Or

Define shifting cultivation. What are the major impacts of shifting cultivation on land degradation? 2+8=10

G16—7000/272a

EVST/IV/A11

2016

(4th Semester)

ENVIRONMENTAL STUDIES

Paper : EVS-I

(PART : A—OBJECTIVE)

(Marks : 25)

The figures in the margin indicate full marks for the questions

Answer **all** questions

SECTION—A

(Marks : 10)

Tick (✓) the correct answer in the brackets provided : $1 \times 10 = 10$

1. In 1972, the UN Conference on Human Environment was held in

- (a) Rio de Janeiro ()
- (b) New Delhi ()
- (c) Johannesburg ()
- (d) Stockholm ()

2. The term 'ecosystem' was coined and introduced by

- (a) R. Misra
- (b) E. P. Odum
- (c) Charles Darwin
- (d) A. G. Tansley

3. A food chain is usually

- (a) unbreakable
- (b) linear
- (c) circular
- (d) pyramidal

4. A species in immediate danger of extinction is

- (a) threatened
- (b) vulnerable
- (c) rare
- (d) endangered

5. The biogeographical region of India is divided into

- (a) 15 regions
- (b) 10 regions
- (c) 5 regions
- (d) 7 regions

6. Conservation is

- (a) protection of natural resources
- (b) management of natural resources
- (c) judicious use of natural resources
- (d) All of the above

7. Which of the following NGOs is associated with Chipko Movement?

- (a) Narmada Bachao Andolan
- (b) Centre for Science and Environment
- (c) Dasholi Gram Swarajya Mandal
- (d) Kalpavriksh

Govt. J. Thankima College

8. Energy flow through the ecosystem is

- (a) linear and one-way ()
- (b) linear and two-way ()
- (c) cyclic ()
- (d) both cyclic and linear ()

9. The zero population growth due to equal birthrate and death rate is called

- (a) fertility rate ()
- (b) replacement level ()
- (c) demographic transition ()
- (d) natural increase ()

10. The Environment (Protection) Act was enacted in India from the year

- (a) 1974 ()
- (b) 1981 ()
- (c) 1980 ()
- (d) 1986 ()

SECTION—B
(Marks : 15)

Write notes on the following :

1. Acid rain

3×5=15

Govt. J. Thankima College

2. Biotic and abiotic components of an ecosystem

Write notes on the following:

(a) Acid rain

(b) Birth cycle and linear

3. The zero population growth rate is equal to the death rate at called

(a) fertility rate

(b) replacement level

(c) demographic transition

(d) natural increase

4. The Environmental Protection Act was enacted in India from the year

(a) 1986

(b) 1987

(c) 1988

(d) 1989

3. Rainwater harvesting

Govt. J. Thankima College

(8)

4. Deforestation

Govt. J. Thankima College

(9)

5. Difference between renewable and nonrenewable resources with examples
