

2015

(5th Semester)

ENVIRONMENTAL SCIENCE

EIGHTH PAPER (EVS-504)

(**Environmental Problems and
Disaster Management**)

Full Marks : 75

Time : 3 hours

(PART : B—DESCRIPTIVE)

(Marks : 50)

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

1. What is greenhouse effect? Describe the causes and consequences of global warming with emphasis on human health. 4+6=10

Or

Give detailed accounts on the following : 5×2=10

- (a) Stratospheric ozone depletion
(b) Impacts of ozone depletion

G16/167a

(Turn Over)

2. What do you mean by water crisis? What are the various measures to conserve water?

3+7=10

Or

Give detailed accounts of the following : 5×2=10

- (a) Minamata disaster
(b) Pollution of the Ganga river

3. Discuss in detail the environmental problems caused by human population and anthropogenic activities.

10

Or

Describe shifting cultivation and its impacts on the environment.

10

4. Write short notes on the following : 5×2=10

- (a) Cost benefit analysis
(b) Development indices

Or

Give detailed accounts of the following : 5×2=10

- (a) Environmental economics
(b) Urban and rural planning

5. Write short notes on the following : 5×2=10

(a) Earthquakes

(b) Floods

Or

Discuss in detail the pre-disaster and post-disaster management strategies. 10

2015

(5th Semester)

ENVIRONMENTAL SCIENCE

EIGHTH PAPER (EVS-504)

(Environmental Problems and Disaster Management)

(PART : A—OBJECTIVE)

(Marks : 25)

The figures in the margin indicate full marks for the questions

SECTION—A

(Marks : 10)

I. Put a Tick (✓) mark against the correct answer in the brackets provided : 1×10=10

1. Ozone contribution to global warming is

(a) 3%–5% ()

(b) 3%–7% ()

(c) 5%–8% ()

(d) 7%–12% ()

2. Montreal Protocol on Substances that deplete the ozone layer was signed on

- (a) 16th July, 1977 ()
- (b) 16th August, 1987 ()
- (c) 16th September, 1977 ()
- (d) 16th September, 1987 ()

3. Who coined the term acid rain?

- (a) Robert Augus Smith ()
- (b) Rachel Carson ()
- (c) Sunderlal Bahuguna ()
- (d) Maurice Strong ()

4. The event in which trade winds weaken is

- (a) Cyclone ()
- (b) El Nino ()
- (c) La Nina ()
- (d) Tsunami ()

5. La Nina typically lasts for
- (a) 1-2 years ()
 - (b) 1-4 years ()
 - (c) 2-4 years ()
 - (d) 2-3 years ()
6. The maximum amount of deforestation is brought about by
- (a) livestock rearing ()
 - (b) forest fire ()
 - (c) agriculture ()
 - (d) None of the above ()
7. Human Development Index (HDI) was first released as a part of the
- (a) United Nations Human Development Report, 1992 ()
 - (b) United Nations Human Development Report, 1991 ()
 - (c) United Nations Human Development Report, 1990 ()
 - (d) United Nations Human Development Report, 1993 ()

8. The composite measure of life expectancy, education and ability to meet basic needs is

- (a) Gender-related Development Index (GDI) ()
- (b) Gender Empowerment Measure (GEM) ()
- (c) Genuine Progress Indicator (GPI) ()
- (d) Human Poverty Index (HPI) ()

9. The term Tsunami comes from the _____ language.

- (a) Korean ()
- (b) Japanese ()
- (c) Chinese ()
- (d) Burmese ()

10. NDMA stands for

- (a) National Desertification Management Association ()
- (b) National Desert Management Authority ()
- (c) National Disaster Management Authority ()
- (d) National Diversity Management Agency ()

SECTION—B

(Marks : 15)

II. Write short notes on the following :

3×5=15

1. Ozone Depleting Substances (ODSs)

2. Acid rain

II. Write short notes on the following:

- (a) Ozone Depleting Substances (ODS)
- (b) Gender-related indicators
- (c) Human Poverty Index (HPI)

9. The term Taumatai comes from the _____ language.

- (a) Korean
- (b) Japanese
- (c) Chinese
- (d) Burmese

10. NDMA stands for

- (a) National Desertification Management Association
- (b) National Disaster Management Authority
- (c) National Diversity Management Agency
- (d) National Diversity Management Agency

3. Depletion of natural resources

(50 Marks)

ENVIRONMENTAL SCIENCE

(Environmental Pollution and Disaster Management)

(PART : A - OBJECTIVE)

(Marks : 25)

The figures in the margin indicate full marks for the questions

SECTION - A

(Marks : 10)

1. Put a Tick (✓) mark against the correct answer in the brackets provided : (10)

1. Ozone contributes to global warming is

(A) 3% - 5% ()

(B) 7% - 7% ()

(C) 3% - 8% ()

(D) 7% - 12% ()

4. Environmental planning

- (a) 16th July, 1977
- (b) 16th August, 1987
- (c) 16th September, 1977
- (d) 16th September, 1987

3. Who coined the term acid rain?

- (a) Robert Angus Smith
- (b) Rachel Carson
- (c) Sandoval Rodriguez
- (d) Maurice Strong

4. The onset of winter trade winds weakens in

- (a) Cyclone
- (b) El Niño
- (c) La Niña
- (d) Tsunami

5. Cyclones
