

2017

GEOGRAPHY

(Major)

Paper : 6.1

(Environment and Development)

Full Marks : 60

Time : 3 hours

The figures in the margin indicate full marks for the questions

1. Answer/Choose the correct option of the following : 1×7=7

(a) Which of the following is not a greenhouse gas?

(i) Sulphur dioxide

(ii) Methane

(iii) Nitrogen

(iv) Carbon dioxide

(b) What is ecological balance?

(c) Which of the following is a correct statement?

(i) Conversion of fertile land into deserts is called desertification.

(2)

- (ii) Dinosaurs are the endangered animals.
- (iii) Deforestation takes place only by human activities.
- (iv) The plants typically belonging to a particular area are called reserve forests.
- (d) Chlorofluorocarbon (CFC) causes
- (i) acid rain
 - (ii) global warming
 - (iii) depletion of ozone layer
 - (iv) smog in the atmosphere
- (e) What is el Niño?
- (f) The first bio-reserve set up in India is
- (i) Andaman-Nicobar Bio-reserve
 - (ii) Nilgiri Bio-reserve
 - (iii) Nanda-Devi Bio-reserve
 - (iv) Rann of Kutch Bio-reserve
- (g) The Earth Summit which emphasised the need for sustainable development was held at Rio in
- (i) 1995
 - (ii) 2001
 - (iii) 1988
 - (iv) 1992

(3)

2. Give short answers to the following : $2 \times 4 = 8$

- (a) What is biodiversity?
- (b) What do you mean by the term 'vulnerability to hazards'?
- (c) State briefly the mechanism of green-house effect.
- (d) Define the term 'land degradation'.

3. Answer any three questions from the following : $5 \times 3 = 15$

- (a) Analyse the environmental impacts of big dams with suitable examples.
- (b) Distinguish between 'ecology' and 'environment'.
- (c) Discuss the ethical issues associated with conservation of water resources.
- (d) State the causes of environmental pollution in an urban environment.
- (e) Are there ways to reduce the damages caused due to earthquake?

4. Answer any three questions from the following : $10 \times 3 = 30$

- (a) "Development is achieved at the cost of environment." Explain the statement with suitable examples.

(Turn Over)

- (b) State the concept of sustainable development in the light of natural resource utilization.
- (c) "Flood in the Brahmaputra Valley of Assam can't be controlled, but it can be managed." Discuss the statement with your comments.
- (d) Analyze the dimension and impact of desertification as a global environmental problem.
- (e) Explain with examples how geographical knowledge can be helpful in resolving environmental problems.
