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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 green-house 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.

- (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

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.

- (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.

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