Answer Question 1 (compulsory) from Part I and five questions from Part II, choosing at least one question from each of the Sections A, B and C. The intended marks for questions or parts of questions are given in brackets [ ].

PART I (20 Marks)

Question 1

(i) Mention two disadvantages of macro irrigation. [2]
(ii) Who coined the term deep ecology and when? [2]
(iii) Differentiate between insitu and exsitu methods of wildlife conservation. [2]
(iv) With reference to urban environment, mention any two problems and their solutions. [2]
(v) Differentiate between immigration and emigration. [2]
(vi) Mention any two advantages of Physical Accounting. [2]
(vii) Write the full form of each of the following: [2]
   (a) CNG
   (b) GATT
(viii) Classify natural resources based on their origin and distribution. [2]
(ix) Explain the terms: [2]
   (a) Industrial design
   (b) Patents
(x) Mention any four factors regulating population size of an area. [2]
PART II (50 Marks)

Answer five questions in all, choosing at least one question from each of the Sections A, B, and C.

SECTION A

Question 2
(a) Write a short note on Gary Snyder. [6]
(b) What is meant by a survivorship curve? Explain the three shapes of survivorship curves. [4]

Question 3
(a) What is Joint Forestry Management? State its objectives. [6]
(b) Write a short note on Earth First. [4]

Question 4
(a) What is NAMP? Discuss any five objectives of this programme. [6]
(b) Discuss the basic Gandhian approach for rural development. How would you contrast Gandhian approach with the present growth paradigm? [4]

SECTION B

Question 5
(a) Discuss the adoption of sustainable management of traffic in Bogota. [6]
(b) Discuss the successes and failures of Project Tiger. Support your answer giving reasons. [4]

Question 6
(a) Define population. Explain any three factors that affect the birth rate and any two factors that affect the death rate in human population. [6]
(b) “Deforestation is a major problem in Amazonian rain forests”. Discuss any four solutions to control this problem. [4]

Question 7
(a) What is WTO? Discuss any two principles and any three functions of WTO. [6]
(b) Explain the different zones of the biosphere reserves. [4]
SECTION C

Question 8
(a) Explain any six ecological impacts of Green Revolution. [6]
(b) What is meant by IPM? Discuss any three ways by which IPM is implemented. [4]

Question 9
(a) Describe the physical indicators of soil quality. [6]
(b) Write a short note on Bamako Convention. [4]

Question 10
(a) What is meant by natural capital? Why do we need to preserve it? Discuss four ways to regenerate natural capital. [6]
(b) Explain any four steps to reduce vehicular pollution. [4]