

[This question paper contains 3 printed pages]

Your Roll No. :

Sl. No. of Q. Paper : **5384** **I**

Unique Paper Code : 2924000024

Name of the Paper : Environmental
Economics and Climate
Change

Name of the Course : **GE**

Semester : II/IV/VI/VIII

Time : 3 Hours **Maximum Marks : 90**

Instructions for Candidates :

- (a) Write your Roll No. on the top immediately on receipt of this question paper.
- (b) Attempt any **five** questions.
- (c) **All** questions carry equal marks.
- 1. (a) Discuss the causes and measures of ozone depletion and the role of international cooperation in addressing it. 9
- (b) Explain the concepts of weak and strong sustainability. 9

P.T.O.

2. (a) Explain the concept of Global Warming and discuss its major environmental impacts. 9
 (b) Discuss the reasons for environmental degradation in context to population, technology and GDP. 9
3. Using examples, discuss the differences between the conventional, pessimistic, and optimistic views of the Environmental Kuznets Curve. What do these variations imply for policy-making in developing countries? Discuss the limitations of EKC, and how might it mislead policymakers? 18
4. (a) Discuss the major drivers of climate change. 9
 (b) Evaluate the costs of climate change in India and the need for low-carbon development strategies. 9
5. (a) Discuss the environmental policy of India in relation to major environmental laws enacted since 1972. 9
 (b) Compare the Kyoto Protocol and the Paris Agreement in terms of objectives, commitments, and global participation. 9

6. Explain the interdependence between the economy and the environment with the reference of Materials Balance Model. How do they help in understanding the relationship between the economy and the environment? Discuss the significance of the assimilative capacity of the environment and the role of recycling in delaying the flow of residuals. 18
7. (a) Discuss the India's National Action Plan on Climate Change with reference to actions relating to greenhouse gases mitigation. 9
 (b) Discuss the concept of sustainable development and explain how it balances economic growth with environmental protection. 9
