(i) Printed Pages : 2 Roll No. ....

(ii) Questions : 9 **Sub. Code : 1 7 7 6 6**

Exam. Code : 0 0 1 0

B.A./B.Sc. (Hons.) 6th Semester

(2056)

ECONOMICS

Paper– IV : Environmental Economics

Time Allowed : Three Hours] **[Maximum Marks : 90**

Note:— Attempt **five** questions in all, including Question No.1 which is compulsory and selecting **one** question from each Unit.

1. Attempt any **nine** of the following in about **25-30** words each:

(i) What is scalar effect?

(ii) Briefly explain the phenomenon of asymmetric information.

(iii) What is negative externality?

(iv) What are the environmental goods?

(v) Explain the Common property resources.

(vi) What is marginal decision?

(vii) Explain the first law of Thermodynamics.

(viii) What are the key components of command and control policies?

(ix) What is sustainable development?

(x) Explain any two Sustainable Development Goals (SDGs) of UN.

(xi) Briefly discuss the least-cost solutions for environmental problems.

(xii) What is free-rider problem? 9×2=18

UNIT-I

2. Write a detailed note on the inter-linkage between the environment and economy. 18

3. What are the phenomena of "Public Bads" and "Public Goods"? Why do private "markets fail" to provide the socially optimal levels? 18

UNIT-II

4. Define the optimal level of pollution and explain why zero pollution is generally not considered economically efficient for society. Also discuss whether direct regulations are capable of efficiently achieving optimal emission levels? 18

5. Write notes on:
   (a) Damage functions
   (b) Abatement cost functions. 9+9=18

UNIT-III

6. Discuss the Environmental Kuznets Curve (EKC) in detail. What is the significance of the EKC in the context of valuing the environment? 18

7. Compare and contrast the monetary and non-monetary valuation techniques, providing detailed examples of each. 18

UNIT-IV

8. Write notes on:
   (a) Theory of Cost-Benefit Analysis
   (b) Choice of discount rate. 9+9=18

9. Discuss in detail the contemporary international environmental issues. Discuss how trade-related policies impact global efforts to mitigate the effects of climate change. 18