

PG (CBCS) EVEN SEMESTER EXAMINATION, 2023

ECONOMICS

4th Semester

Course No. : ECOCC - 401

(Environmental Economics)

Full Marks : 70

Pass Marks : 28

Time : 3 hours

*The figures in the margin indicate full marks for the questions
(Answer any five, selecting one from each unit)*

UNIT - I

1. “Water is a confluence of renewable and depletable resource” Explain the statement. How can we achieve efficient allocation of surface water ? Discuss with a diagram. 5+9=14

2. How does future price expectation of an exhaustible resource affect its dynamic allocation? Discuss Hotelling’s Rule highlighting its implications for dynamically efficient allocation of exhaustible resources. 4+10=14

UNIT - II

3. (a) Define market failure. How it is related to environmental externalities? Explain. 2+4=6

(Turn Over)

(2)

- (b) Explain briefly the Coasian Bargaining theorem.
What are its limitations. $6+2=8$
4. (a) Explain the different methods for dealing with
the problem of environmental externalities. 6
- (b) Write notes on (i) command and control measures
(ii) Taxes vs Tradable permits. $4+4=8$

UNIT - III

5. Distinguish between use and non-use values of
environment. Explain briefly contingent valuation
method with examples. $4+10=14$
6. Why is environmental valuation necessary? Explain
briefly. Examine, Hedonic pricing method with its
limitations. $4+10=14$

UNIT - IV

7. Explain briefly environment development tradeoff
with the help of Kuznet's hypothesis. Add a note on
the concept of limits to growth. $10+4=14$
8. Explain the concept of sustainable development and
its indicators. Add a note on inter-temporal
efficiency. $10+4=14$

(3)

UNIT - V

9. "Differences in environmental regulations entail a
pattern in which dirty industries have a tendency
to concentrate towards the south". How do you agree
theoretically in favour of this claim? Explain using
a suitable diagram. $6+8=14$
10. Write short notes on the following (any two):
- (a) Natural Resource Accounting $7 \times 2=14$
- (b) Kyoto protocol
- (c) Joint Forest Management.
