**ST JOSEPH’S UNIVERSITY, BENGALURU - 27**

Registration Number:

Date & session:

**M.Sc. (ENVIRONMENTAL SCIENCE AND SUSTAINABILITY) – 2nd SEMESTER**

**SEMESTER EXAMINATION: APRIL 2024**

**(Examination conducted in May / June 2024)**

**ES 8522 – ENVIRONMENTAL ECONOMICS**

**(For current batch students only)**

**Time: 2 Hours Max Marks: 50**

1. **This paper contains ONE printed pages and THREE parts**
2. **Draw diagrams wherever necessary**

**PART – A**

**Answer any FIVE of the following: 5q X 2m = 10m**

1. Differentiate between positive and normative economics.
2. Give an example of a positive externality.
3. What are the two characteristics of a public good?
4. What is meant by the term ‘deposit refund’?
5. Expand WTP and WTA.
6. What is the first fundamental theorem of welfare economics?
7. State the meaning of the term ‘transboundary pollution’.

**PART – B**

**Answer any FOUR of the following 4q X 5m = 20m**

1. Using the production possibility frontier, illustrate opportunity cost.
2. Discuss the role of property rights in markets.
3. How is the Pigouvian tax employed to correct for market failure?
4. Discuss tradeable permits with an example.
5. Provide an example of comparative cost.
6. Discuss the NIMBY problem with an example.

**PART – C**

**Answer ALL the questions 2q X 10m = 20m**

1. Explain and illustrate the Total Economic Value (TEV) framework.

**OR**

Discuss stated versus revealed preference approaches to economic valuation.

1. Critically, examine Hardin’s tragedy of the commons and Elinor Ostrom’s logic of collective action.

**OR**

Discuss market failure and Coase’s theorem.