

M.Sc. Examination, 2016

Semester – III

Environmental Science

Paper – MEC-35

(Environmental Economics & Sustainable Development)

Time: 3 Hours

Full Marks: 40

Questions are of value as indicated in the margin.

Answer question No. 1 and any four from the rest

1. Write short note on **any four** of the following : 2×4=8
 - a) Pure Public good
 - b) Optimum Depletion model
 - c) Positive externality of production
 - d) Cost : benefit analysis
 - e) Product life extension
 - f) Abatement cost.
 2. What is parato efficiency? Analyse the concept of Parato optimum of environmental allocation and illustrate. 2+6=8
 3. Explain the concepts, nature and scope of environmental economics. 2+2+4=8
 4. What is Externality? Describe the problem of second best in monopolistic externalities with suitable example. 2+6=8
 5. What is 'Recycling'? Illustrate the concept of Optimum recycling. 2+6=8
 6. Define 'Sustainable development'. Critically explain the concept of "Material Balance Model" to achieve sustainable development. 2+6=8
 7. Discuss the pollution control model. What are the methods suggested for controlling the damage of the environmental quality. 6+2=8
-