

M.Sc. Examination, 2019
Semester-IV
Environmental Science
Course : MEC-42
(Environmental Management)

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 notes on **any four** of the following : 2×4=8
 - a) Environmental Management Planning
 - b) Phases of Natural Disaster Management
 - c) Tools of Environmental Management
 - d) Role of Forest Protection Committee in JFM
 - e) Importance of Environmental Baseline in EIA
 - f) Environmental Management Indicators
 2. What is Environmental Design (ED)? What are the principles of ED? Discuss its benefit. 1+4+3=8
 3. Write down the strength, weakness and critical success factors of Type I, Type-II and Type III eco-labelling. 3+2+3=8
 4. Discuss the concept of Life Cycle Analysis (LCA) as a tool of environmental management. Enumerate four main phases of LCA. 2+6=8
 5. Discuss the objectives of environmental auditing. Briefly describe the steps of waste audits and assessment of pollution prevention. 2+4+2=8
 6. Illustrate the core elements of EMS. What are the principles of ISO 14000 series? Briefly describe the structure and supporting systems of ISO 14000 series. 3+3+2=8
 7. What is Adaptive Resource Management ? Write down the objectives of Adaptive Management. What are the conditions involved for a successful Adaptive management. 2+3+3=8
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