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What are Environmental standards and why are they important in the context of EIA? 7 6. a) b) Write a short note on Environmental impact analysis. 6 Describe how earth observation and GIS technologies can assist environmental 7. a) 7 management programs. Discuss how "cost – benefit analysis" is the part of the justification for the project in an b) 7 EIS. OR Define the term "Risk Assessment." Discuss various methods of impact analysis. 8. 7 a) Write a short note on cost-benefit appraisals. b) 7 Design a risk management program for various constructional activities in Civil 7 a) Engineering. Define Environmental Risk Analysis. Suggest some risk assessment applications for b) 6 environmental management problems.

## OR

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- **10.** a) Discuss how to measure quantified risk assessment for various industrial accidents.
  - b) Briefly explain various steps involved in risk management related to hazard identification, Exposure assessment and risk characterization.
- **11.** a) Write a short note on Energy Conservation.
  - b) Enlist various energy sources and discuss importance of energy impact analysis.

## OR

- **12.** a) Discuss various energy alternatives that can be adopted to minimize energy impact and pollution on environment.
  - b) Define and briefly explain the following.
    - i) Supply Demand.
    - ii) Energy Inventory.

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