

**CV813**

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**M S RAMAIAH INSTITUTE OF TECHNOLOGY**

(AUTONOMOUS INSTITUTE, AFFILIATED TO VTU)

BANGALORE – 560 054

**SEMESTER END EXAMINATIONS – JUNE 2013****Course & Branch : B.E.- Civil Engineering****Semester : VIII****Subject : Environmental Impact Assessment****Max. Marks : 100****Subject Code : CV813****Duration : 3 Hrs****Instructions to the Candidates:**

- Answer one full question from each unit.

**UNIT – I**

- Explain with a flow chart explain the relation between EIA, EIS and FONSI. (10)
  - Discuss the limitations of Environmental Impact Assessment. (10)
- Discuss the role of NEPA and CEQ on Environmental Impact Assessment studies. (10)
  - Explain briefly the attributes used in Environmental Impact Assessment studies. (10)

**UNIT – II**

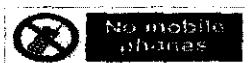
- What are the required characteristics features of an EIA methodology? List different types of EIA methodologies. (10)
  - Explain the checklist methodology of EIA. (10)
- What are important characteristic features of matrix methodology of EIA? (10)
  - What is overlay method of EIA? What are its advantages? (10)

**UNIT-III**

- With a flow diagram discuss the steps involved in prediction of changes and assessment of impacts of air environment. (10)
  - Explain the different mitigation measures that can be suggested to prevent surface water pollution in an EIA activity (10)
- With a flow diagram explain the step by step procedure of conducting EIA of noise on environment. (10)
  - Discuss the mitigation measures recommended for reducing impacts on air environment in an EIA activity? (10)

**UNIT – IV**

- Explain the step by step procedure of conducting EIA on socio economic environment. (10)



- b) What are the advantages and disadvantages of public participation in an EIA activity? (10)
- 8. a) Enumerate the process of identification and incorporation of mitigation measures for an EIA activity of soil and ground water environment. (10)
- b) Discuss the objectives of public participation techniques in EIA process. (10)

## UNIT – V

- 9. a) Discuss the impacts on physical resources to be considered in an EIA activity of a highway project. (10)
- b) Explain the environmental impacts and mitigation measures to be considered in an EIA activity of iron ore mining project. (10)
- 10. a) Discuss the factors affecting the quality of life values due to environmental impacts of a highway project. (10)
- b) What are the environmental impacts and mitigation measures to be considered for protection of air quality and water quality in coal mining project? (10)

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