

**CVPE814**

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M S RAMAIAH INSTITUTE OF TECHNOLOGY

(AUTONOMOUS INSTITUTE, AFFILIATED TO VTU)

BANGALORE - 560 054

SEMESTER END EXAMINATIONS - JUNE 2015

Course & Branch	: B.E : Civil Engineering	Semester	: VIII
Subject	: Environmental Impact Assessment	Max. Marks	: 100
Subject Code	: CVPE814	Duration	: 3 Hrs

Instructions to the Candidates:

- Answer one full question from each unit.

UNIT - I

- Define is EIA? Analyze the various steps of EIA process. (10)
 - Explain briefly the elements of environmental impact analysis. (10)
- With a flow diagram bring out the relationship between FONSI, EIS and EIA (10)
 - Differentiate between REIA and CEIA and explain the utility of each. (10)

UNIT - II

- Briefly explain the conceptual frame work used for preparation of environmental setting. (10)
 - Reproduce the various methods of conducting EIA and explain adhoc method of EIA. (10)
- Enumerate the salient features of matrix methodology of EIA. (10)
 - With an example of a network explain the network methodology of EIA. (10)

UNIT - III

- With a flow diagram explain the procedure of prediction and assessment of impacts of noise environment. (10)
 - Enumerate the mitigation measures considered in an EIA activity to prevent the impacts on surface water environment. (10)
- Discuss the various approaches of impacts assessment in EIA of air environment. (10)



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- b) Bring out the procedure of prediction and assessment of impacts on surface water environment (10)

UNIT - IV

7. a) Explain the procedure of conducting EIA of soil and ground water environment. (10)
- b) Enumerate the socio economic factors considered for identification of socioeconomic impacts in an EIA activity. (10)
8. a) Substantiate the scope of public participation in different stages of an EIA activity. (10)
- b) Explain any ten types of public participation techniques used in an EIA activity. (10)

UNIT - V

9. a) Discuss the environmental impacts and suggested mitigation measures for coal mining projects? (10)
- b) Bring out the environmental impacts of highway project on physical resources. (10)
10. a) Discuss the factors used for the description of affected environment in an iron ore mining project. (10)
- b) Enumerate the environmental impacts considered in an EIA activity of water resource project? (10)
