**CV813**

USN	1	M	S								
-----	---	---	---	--	--	--	--	--	--	--	--

M S RAMAIAH INSTITUTE OF TECHNOLOGY

(AUTONOMOUS INSTITUTE, AFFILIATED TO VTU)

BANGALORE - 560 054

SEMESTER END EXAMINATIONS - MAY / JUNE 2014

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

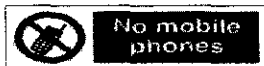
1. a. Explain the step by step procedure of conducting EIA in India as per MOEF guidelines. (10)
 - b. Define REIA & CEIA? Bring out the differences between the two and discuss the utility of each. (10)
2. a. Define EIA, EIS, FONSI and illustrate the relation between them. (10)
 - b. Discuss the utility and expanded scope of EIA for developmental projects. (10)

UNIT- II

3. a. What are the objectives of description of the affected environment? Explain the conceptual framework frame work for description of environmental setting. (10)
 - b. Explain the adhoc method of EIA and state its limitations. (10)
4. a. What is a Leopold matrix? Identify and discuss the salient features of matrix method of EIA. (10)
 - b. Discuss the salient features of checklists used in EIA of developmental projects. (10)

UNIT-III

5. a. Explain the mitigation measures to be considered to prevent impact on surface water environment in developmental project. (10)
 - b. Enumerate the steps involved in prediction and assessment of impacts on air environment in an EIA activity. (10)
6. a. Explain the process of identification of surface water quality and quantity impacts in EIA of surface water, environment. (10)
 - b. With a flow diagram discuss the steps involved in prediction and assessment of impacts on noise environment in an EIA of a project. (10)



CV813

UNIT- IV

7. a. With a flow diagram enumerate the various steps involved in EIA of socioeconomic environment. (10)
b. What is public participation in EIA? Explain the problems of implementing public participation programs in EIA activities. (10)
8. a. Analyze the various steps involved in conducting EIA of soil and ground water environment. (10)
b. What are the different types of conflicts found in public participation and what are the conditions required to resolve conflicts in public participation? (10)

UNIT- V

9. a. What are the impacts and remedial measures for water pollution problems of iron ore mining project? (10)
b. What are the anticipated environmental impacts and suggested mitigation measures for a coal mining project? (10)
10. a. Discuss the procedure of conducting EIA for a water resource project. (10)
b. List and discuss the salient features of physical resources considered in EIA of road development project. (10)
