

Environmental Impact Assessment VTU Question Paper Set

VTU CAMPUS APP



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Eighth Semester B.E. Degree Examination, June/July 2015
Environmental Impact Assessment

Time: 3 hrs.

Max. Marks:100

Note: Answer any FIVE full questions, selecting atleast TWO questions from each part.

PART - A

- 1 a. What is meant by an Environmental Impact Analysis? Why is it essential? (10 Marks)
- b. Explain briefly the function and purpose of the Environmental Impact Assessment processes. (10 Marks)
- 2 a. What are the objectives and scope of EIA studies? (10 Marks)
- b. Explain the relationship between FONSI and EIS and EIA. (10 Marks)
- 3 a. Outline the frame work of impact assessment studies. (10 Marks)
- b. Write a brief note on contents of EIA as required by CEQ. (10 Marks)
- 4 a. What are the various methodologies in EIA? Discuss overlays method briefly. (10 Marks)
- b. Why public and community participation is essential to carry out EIA studies? (10 Marks)

PART - B

- 5 a. Bring out clearly the EIA guidelines for a development project. Substantiate with an example. (10 Marks)
- b. Write short notes on : (10 Marks)
 - i) Comprehensive EIA
 - ii) Rapid EIA.
- 6 a. Explain the Environmental Impacts of coal. (10 Marks)
- b. Briefly explain the procedure for assessment of Impacts on surface water environment. (10 Marks)
- 7 a. Explain briefly the basic steps associated with prediction of changes in air quality and assessment of the impact of these changes. (10 Marks)
- b. Outline the EIA aspects of a large scale highway construction project. (10 Marks)

Write short notes on any four :

- a. Kaiga project.
- b. EIA in India.
- c. Environmental Protection Legislation.
- d. Environmental Attributes in the Air & EIA study.
- e. EIA review methodology.
- f. Economic Impact Assessment.

(20 Marks)

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at least TWO questions from each part.*

PART - A

- 1 a. Define EIA and explain relationship between EIA, EIS and FONSI. (10 Marks)
b. Explain in brief baseline information in EIA. (10 Marks)
- 2 a. Explain the following : (08 Marks)
i) Need for EIA studies
ii) Limitations of EIA
b. Explain in detail, the step by step procedure for conducting EIA. (12 Marks)
- 3 a. Explain any 2 methodologies used in EIA. (10 Marks)
b. Define environment setting. List the major environment components to be considered during EIA and explain any one of them. (10 Marks)
- 4 a. Explain the basic step for prediction and assessment of impact on water. (10 Marks)
b. Discuss the various steps involved in assessment and prediction of impact on air attribute. (10 Marks)

PART - B

- 5 a. Differentiate between REIA and CEIA. List the brief contents of REIA. (10 Marks)
b. Bring out clearly the guidelines of EIA for a development project substantiate with an example. (10 Marks)
- 6 a. What is the importance of public participation in environmental decision making? State the advantages and disadvantages of public participation. (10 Marks)
b. Outline the salient features of project activity and environmental parameters relationship. (10 Marks)
- 7 Briefly explain assessment procedure in the following activities. (20 Marks)
i) Highway project
ii) Thermal power plants.
- 8 Write short notes on any 4 of the following : (20 Marks)
a. Socio-economic impact assessment
b. EIA process in India
c. DEIA and FEIA
d. Environmental impact of Nuclear power plants
e. Environment impact matrices.

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PART – A

- 1 a. Define EIA. Briefly explain the benefits and needs of EIA studies. (10 Marks)
 b. Explain the relationship between EIA, EIS and FONSI in the Environmental Analysis process, with a neat flow chart. (10 Marks)
- 2 a. Explain the step by step procedure for conducting EIA/EIS. (10 Marks)
 b. Enlist the various limitations of EIA and explain the same. (10 Marks)
- 3 a. Describe the frame work of Environmental Assessment. (10 Marks)
 b. Enumerate the different methodologies to achieve EIA and explain and two in brief. (10 Marks)
- 4 a. List out various environmental attributes and factors involved in each attribute. (10 Marks)
 b. Define the following : (10 Marks)
 i) REIA ii) CEIA iii) NDS iv) FONSI.

PART – B

- 5 a. What are all the environmental guidelines for the developmental project? (10 Marks)
 b. Write about : i) Objectives and Scope of EIA ii) Content of EIA. (10 Marks)
- 6 a. What is the techniques of public participation in environmental decision making? State the advantages of public participation. (10 Marks)
 b. What are the practical factors to be considered in preparing EIA and EIS by public participation? (10 Marks)
- 7 a. Differentiate : i) EMP and DMP ii) EIA and EIS. (10 Marks)
 b. Discuss environmental impacts of highway project. (10 Marks)
- 8 Write short notes any FOUR of the following : (20 Marks)
 a. Matrix methodologies.
 b. NEPA.
 c. MOEF guidelines.
 d. Format of EIA.
 e. E.I.A in India.
 f. E.I.A of Water Resource Project.
