

PREVIOUS QUESTION PAPERS

R16

Code No: 136FA

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD

B. Tech III Year II Semester Examinations, February/March - 2022

ENVIRONMENTAL IMPACT ASSESSMENT

(Common to CE, ME, ECE, CSE, MSNT)

Time: 3 hours

Max. Marks: 75

**Answer any five questions
All questions carry equal marks**

- 1.a) Describe the relation between EIA and EIS. Present the contents to be included in EIS.
b) Explain the merits of EIA and Criticism against Environmental Impact Assessment. [7+8]
- 2.a) Explain various methods of Check-lists used for EIA. How are these methods superior to the adhoc method used for the same purpose?
b) Matrix method is a very popular method used for EIA. Justify the statement based on its merits over the other methods used for EIA. [7+8]
- 3.a) How do you plan to evaluate the impact of a project on vegetation? Present step by step procedure for the evaluation of impacts on vegetation.
b) Explain methods adopted to reduce the impact of projects on wildlife. [8+7]
4. Discuss in detail about the general methodology for the assessment of impacts of developmental activities on soil environment. [15]
- 5.a) Explaining the importance of Environmental Audit, describe how it can help in mitigation of impacts.
b) Write notes on:
i) Audit protocol
ii) Post audit. [8+7]
- 6.a) Explain the importance of Environmental regulation.
b) Describe the salient features of
i) Water Act
ii) Air act. [8+7]
7. Discuss the importance of EMP. Explain how it is prepared taking thermal power plant as an example. [15]
8. Explain the various issues to be considered during the planning stages of an industry in order to reduce environmental impacts. [15]

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JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD

B. Tech III Year II Semester Examinations, November/December - 2020

ENVIRONMENTAL IMPACT ASSESSMENT

(Common to CE, ME, ECE, MIE, MSNT)

Time: 2 hours

Max. Marks: 75

Answer any five questions
All questions carry equal marks

1. Develop Environmental base map preparation and explain the factors affecting EIA impact evaluation and analysis. [15]
2. Enumerate the EIA methodologies and explain the factor to keep in mind in selecting the methodology. [15]
3. Assess and predict the impacts of project activity on biological environment. [15]
4. Analyze the causes for deforestation and evaluate the environmental impacts of deforestation. [15]
5. Evaluate impact prediction and describe the identification and incorporation of soil pollution mitigation measures. [15]
6. Analyze the procurement of relevant soil quality and assess the impact significance. [15]
7. Identify the stages of environmental audit and develop the onsite activities for environmental audit. [15]
8. Develop and analyze an EIA report for a steel plant near coastal area. [15]

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JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD

B. Tech III Year II Semester Examinations, May - 2019

ENVIRONMENTAL IMPACT ASSESSMENT

(Common to CE, ME, ECE, CSE, MIE, MSNT)

Time: 3 hours

Max. Marks: 75

Note: This question paper contains two parts A and B.

Part A is compulsory which carries 25 marks. Answer all questions in Part A. Part B consists of 5 units. Answer any one full question from each unit. Each question carries 10 marks and may have a, b, c as sub questions.

PART - A

(25 Marks)

- 1.a) What is inventory in IEA? [2]
- b) How do you estimate index for a parameter? [3]
- c) What do you mean by rehabilitation in EIA? [2]
- d) Differentiate between endangered and vulnerable species. [3]
- e) Explain mitigation measures to control soil erosion. [2]
- f) How do you plan to control dust pollution in mine site? [3]
- g) What is the difference between environmental audit and impact assessment? [2]
- h) Differentiate between post audit and pre audit. [3]
- i) What are the powers of State pollution control boards? [2]
- j) What is the importance of public hearing? [3]

PART - B

(50 Marks)

- 2.a) Explain the importance of EIA for developmental projects.
- b) Describe the contents of EIA and their importance during EIA process. [5+5]

OR

- 3.a) Explain how you use check list method for EIA? What are the advantages of check list method over adhoc method?
- b) Describe how matrix method is used for EIA of mining project. [5+5]

4. Considering the two developmental projects given below, explain how vegetation is affected and what are the subsequent impacts.
 - a) Water resources development project – major dam
 - b) Highway project – Express way. [5+5]

OR

5. Deforestation is one of the global concerns of today. In this context, discuss the following:
 - a) Causes of deforestation
 - b) Sustainable forest management. [5+5]

6. Explain different methods used for prediction of environmental impacts. [10]

OR

7.a) Explain the salient aspects and importance of EMP in EIA process.

b) Considering thermal power project as an example, explain the appropriate mitigation measures to control environmental impacts of the power plant. [5+5]

8. What is environment audit? What are its main objectives and discuss the advantages of the same. [10]

OR

9.a) Bring out detailed comparison between an environmental review and an environmental audit.

b) Write a detailed note on evaluation of Audit data and preparation of Audit report. [5+5]

10. Present salient aspect of The Environmental Protection Act and take holders in implementation of this act. [10]

OR

11. Considering Nuclear Power reactor as a case study, describe the positive and negative environmental impacts and suggest an EMP to mitigate the negative impacts. [10]

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