

SIDDHARTH INSTITUTE OF ENGINEERING & TECHNOLOGY:: PUTTUR
(AUTONOMOUS)

B.Tech IV Year I Semester Regular Examinations February-2024
ENVIRONMENTAL IMPACT ASSESSMENT & MANAGEMENT

(Civil Engineering)

Time: 3 Hours

Max. Marks: 60

(Answer all Five Units 5 x 12 = 60 Marks)

UNIT-I

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|---|---|--|-----|----|----|
| 1 | a | Write in detail about the impact evaluation and analysis. | CO1 | L1 | 6M |
| | b | What are the analytical functions associated with the EIA? | CO1 | L1 | 6M |

OR

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|---|---|---|-----|----|----|
| 2 | a | Mention any four types of events in cumulative impacts. | CO1 | L2 | 6M |
| | b | Give a detail note on preparation of EBM. | CO1 | L2 | 6M |

UNIT-II

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| 3 | | Discuss in detail about the criteria for the selection of EIA methodology. | CO2 | L2 | 12M |
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OR

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|---|---|--|-----|----|----|
| 4 | a | Write short notes on matrix method. | CO2 | L1 | 6M |
| | b | Make a note on impact interpretation and evaluation. | CO2 | L2 | 6M |

UNIT-III

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|---|---|---|-----|----|----|
| 5 | a | Draw a flow chart on systematic approach for the study of impacts on soil and ground water. | CO3 | L3 | 6M |
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| | b | Write short notes on delineation of study area. | CO3 | L1 | 6M |
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| 6 | | What are the mitigation measures taken to prevent soil erosion and ground water pollution during and after execution of any developmental project? | CO3 | L1 | 12M |
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UNIT-IV

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| 7 | | Discuss the important aspects of assessment of impacts of any developmental activities on vegetation and wild life. | CO5 | L2 | 12M |
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| 8 | | Give and explain the main causes for depletion of natural vegetation or biodiversity in India. | CO5 | L2 | 12M |
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UNIT-V

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| 9 | | Discuss about the Environment protection act and its functions. | CO6 | L2 | 12M |
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| 10 | a | Mention the various physical resources in EI of industrial development and explain any two. | CO6 | L1 | 6M |
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| | b | Write short notes on ecological resources in EI of industrial development. | CO6 | L1 | 6M |
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