Code No: 138GB **R16**

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD
B. Tech IV Year II Semester Examinations, September - 2020
ENVIRONMENTAL IMPACT ASSESSMENT
(Common to ME,ECE,MIE)

Time: 2 Hours **Max. Marks: 75**

Answer any Five Questions
All Questions Carry Equal Marks
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1.a) Explain the leopold matrix in detail with suitable example.
b) What are the limitations of Environment impact assessment? [7+8]

2.a) What are the steps involved in EIA clearance process?
b) What is the significance of cost benefit analysis in EIA? [10+5]

3.a) Explain in detail the ecological monitoring and audit programme.
b) Differentiate Direct and Indirect impact in vegetation and wildlife impact analysis.[10+5]

4.a) Give the formula for i) Relative dominance ii) Relative frequency and Relative density in Biological assessment?
b) What are the guiding principles for green belt development? [9+6]

5.a) What are the mitigation measures adopted in restoring the soil properties?
b) Mention different soil functions that is considered for any soil environment study.[7+8]

6.a) What is meant by soil liquefaction and how it caused?
b) What are the impact occurs in land during operation phases?
c) What is meant by Land drainage? [6+6+3]

7.a) How often environment audit are conducted in an organization?
b) What are the principle areas of environmental auditing?
c) What are the steps involved in pre audit activities? [4+6+5]

8. Explain in detail the Environment management plan for Air, Water and Land environment for thermal power plant project? [15]

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JNTUH USED PAPER SEP-2020