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Total No. of Pages : 02

Total No. of Questions : 09

B.Tech (Civil Engineering) (2011 Onwards E-I & II) (Sem.-7,8)

ENVIRONMENTAL IMPACT ASSESSMENT

Subject Code : BTCE-814

M.Code : 71873

Time : 3 Hrs.

Max. Marks : 60

INSTRUCTIONS TO CANDIDATES :

1. SECTION-A is COMPULSORY consisting of TEN questions carrying TWO marks each.
2. SECTION-B contains FIVE questions carrying FIVE marks each and students have to attempt any FOUR questions.
3. SECTION-C contains THREE questions carrying TEN marks each and students have to attempt any TWO questions.

SECTION-A**1. Answer briefly :**

- a. Enlist the requirements of a good EIA method.
- b. Explain the matrix methodology for EIA.
- c. Define and explain short term and long term impacts.
- d. Differentiate between primary impacts, secondary impacts and tertiary impacts.
- e. State the objectives of EIA.
- f. Explain the importance of EIA as an integral part of decision making process.
- g. Define with the help of example: Quantifiable & non quantifiable impacts.
- h. Differentiate between: Reversible impacts and irreversible impacts.
- i. Enlist the results of non-harmonious development.
- j. Explain the term :
 - i) TOR
 - ii) EAC

SECTION-B

2. Write a short note on Environmental Cost Benefit analysis.
3. Differentiate between Rapid and comprehensive EIA.
4. What is the importance of public participation in EIA process?
5. Highlight the relationship between man's action, environmental effects and impact.
6. Establish the relationship between human activity and environmental impact for deforestation.

SECTION-C

7. Give the classification of environmental impacts based on acceptability along with examples.
8. Discuss various direct and indirect impacts likely to occur for typical :
 - a. Land Cleaning Activity.
 - b. Road Construction Activity.
9. Discuss different activities in a major road laying project likely to have impacts on soil and ground water environment.

NOTE : Disclosure of Identity by writing Mobile No. or Making of passing request on any page of Answer Sheet will lead to UMC against the Student.