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Roll No. ....

**18BB1706**

**M.Tech. EXAMINATION, May 2019**

(Second Semester)

(C Scheme) (Main Only)

CE(HSE)

CEH558C

ENVIRONMENTAL AND SOCIAL IMPACT  
ASSESSMENT OF HIGHWAY PROJECTS

*Time : 3 Hours]*

*[Maximum Marks : 75*

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Before answering the question-paper candidates should ensure that they have been supplied to correct and complete question-paper. No complaint, in this regard, will be entertained after the examination.

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**Note :** Attempt *Five* questions in all, selecting at least *one* question from each Unit. All questions carry equal marks.

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**P.T.O.**

### Unit I

1. (a) Discuss with the help of examples the effects of transportation. 7  
(b) What are the problems can be faced during identification of impacts ? 8
2. Evaluate the EIA due to construction of new highways. 15

### Unit II

3. Explain the following terms :
  - (a) Noise
  - (b) Vibration
  - (c) Air Pollution
  - (d) Air emission levels
  - (e) Air pollution dispersion. 15
4. (a) Describe noise propagation. 7  
(b) What are the functions of co-ordination signal system on urban arterial road intersection ? 8

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### Unit III

5. (a) What are the causes of Pedestrian delay ? 8  
(b) Describe the visual Intrusion ? How can it be predicted ? 7
6. (a) Give guidelines for toxic freight. 7  
(b) What do you understand by Aesthetic ? How, it can be maintain on the roads ? 8

### Unit IV

7. Explain the procedure for Environmental Clearance from State Environmental Impact Assessment Authority. 15
8. Write short notes on the following :
  - (a) Land consumption during highway construction
  - (b) Global climate. 15

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