

No. of Printed Pages : 03

Roll No.

CC721

M.Tech. EXAMINATION, May 2019

(Third Semester)

(B. Scheme) (Re-appear)

CE(HSE)

CEH601

ENVIRONMENTAL AND SOCIAL IMPACT
ASSESSMENT OF HIGHWAY

Time : 3 Hours]

[Maximum Marks : 75

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.

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

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P.T.O.

Unit I

1. (a) Discuss the methods and problems of identification of impacts. 7
(b) Write about environmental impact of vehicles near highways. 8
2. (a) Describe matrix method of EIA and its types to evaluate highways impact. 8
(b) Evaluate the impact of traffic due to construction of By-pass. 7

Unit II

3. (a) Discuss the energy consumptions by the vehicles on highways and problems related to it ? 8
(b) Write and discuss the mathematical models for noise transportation. 7
4. (a) What are the sources of noise ? What should be mitigation strategies for it ? 8
(b) What are factors should be considered to select signals coordination ? 7

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Unit III

5. What are the causes of pedestrian-vehicle crash on highways ? 15
6. Discuss, how toxic matter should be transported by vehicle ? Discuss, what precaution should be taken during transportation ? 15

Unit IV

7. (a) Write the effects of land consumption and landuse for construction of highways. 7
(b) Describe about GOI policies for Road projects. 8
8. Write short notes on the following :
 - (a) Use of resources during construction of roads
 - (b) Air pollution due to traffic. 15

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