

JAYPEE UNIVERSITY OF INFORMATION TECHNOLOGY, WAKNAGHAT

TEST -2 EXAMINATION- Oct 2017

M.Tech I Semester

COURSE CODE: 14M31CE114

MAX. MARKS: 25

COURSE NAME: EIA & Risk Management

COURSE CREDITS: 03

MAX. TIME: 11/2 Hr

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*Note: All questions are compulsory. Carrying of mobile phone during examinations will be treated as case of unfair means.*

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- Q1.a) What are the two fundamental approaches for determining whether to conduct a comprehensive EIA for a proposed action? Discuss any one of them in detail. [03]
- b) What conclusions can be arrived by the project proponent through screening process relative to the potential impacts of the project. [02]
- Q2.a) List various methodologies used in EIA process and discuss about their usefulness in accomplishing the activities of EIA [03]
- b) Distinguish between a "Simple Interaction Matrix" and a "Stepped Matrix". Mention the features of a Leopold Interaction Matrix. [02]
- c) Draw a simple interaction matrix and identify the potential impacts of a highway project in a location of your choice. Comment on the significant impacts of the project on environmental factors. [05]
- Q3. Distinguish between "Networks" and "Digraphs" with neat figures. What are the advantages and drawbacks of network methodologies in impact identification [03 + 02]
- Q4.a) What are the various types of Checklist methodologies used in EIA? Discuss their relative advantages and disadvantages. [03]
- b) Mention the type of projects for which checklist methodologies are applied during EIA. [02]