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JAYPEE UNIVERSITY OF INFORMATION TECHNOLOGY, WAKNAGHAT

TEST -2 EXAMINATION – October 2018

B.Tech VII Semester

COURSE CODE: 14M31CE114

MAX. MARKS: 25

COURSE NAME: EIA AND RISK MANAGEMENT

COURSE CREDITS: 03

MAX. TIME: 1.5 Hrs

Note: All questions are compulsory. Carrying of mobile phone during examinations will be treated as case of unfair means. Assume suitable data if required.

- Q1.a)** Distinguish between 'Screening' and 'Scoping' in EIA Process **[02 Marks]**
- b) How does the concept of screening help in requirement of an EIA study for a potential action? **[03 Marks]**
- Q2.** What are the various steps or activities involved in planning and conduction of an EIA study? Identify the most difficult/challenging activity and the approaches used to achieve the task **[02 + 03 Mark]**
- Q3.a)** What are the significant impacts of impoundment of water on water quality? How does this information help in identifying environmental factors of affected environment **[02 Marks]**
- b) List various methodologies used for impact identification and discuss about their relative usefulness in EIA process **[3.0 Marks]**
- Q4.a)** Distinguish between "Simple" and "Stepped Matrix" **[02 Marks]**
- b) Discuss the steps involved in the development of a Simple Interaction Matrix **[03 Marks]**
- Q5.** Given the project actions for a mining project, identify the significant impacts on several environmental factors listed below using a simple interaction matrix and comment on your results: **[05 Marks]**

Project Actions	Surface Excavation	Blasting and Drilling	Mineral Processing	Surface Transport	Pumping of Mine Pit Water	Solid Waste Disposal					
Environmental Characteristics	Soils	Land Forms	Surface Water	Air	Ground Water	Deposition /Sedimentation	Flora	Fauna	Aesthetics	Noise	Social Health and Safety