

JAYPEE UNIVERSITY OF INFORMATION TECHNOLOGY, WAKNAGHAT
TEST -3 EXAMINATION- 2021
B.Tech VII Semester

COURSE CODE: 14M31CE114

MAX. MARKS: 35

COURSE NAME: EIA and Risk Management

COURSE CREDITS: 3

MAX. TIME: 2 Hours

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

1. Discuss Econometric Approach? [CO-3] [3]
2. What is EIA? Discuss merits and demerits of EIA? [CO-1&2] [4]
3. (a) Explain the classification of environmental parameters? [CO-5] [3]
(b) Discuss role of general public in environmental clearance? [CO-3] [3]
4. Explain the framework for visual impact assessment? [CO-4] [5]
5. (a) The BOD₅ of a water sample is 150 mg/l at 20°C. The k value is known to be 0.23 per day. What would BOD₅ be, if the test was run at 15°C? [CO-5 &6] [4]
(b) Determine the volume occupied by 8 mol of gas at 25 °C and 820 mm Hg? [CO-4] [2]
6. A sample of air is analyzed at 0°C and 1 atmospheric pressure is reported to contain 9 ppm of carbon monoxide. Determine the equivalent carbon monoxide concentration in µg/m³ and milligrams/m³? [CO-6] [3]
7. Discuss the environmental impacts of noise? [CO-4&6] [3]
8. Discuss various models in detail used for water impact predictions associated with the project? [CO-5]

[5]