

JAYPEE UNIVERSITY OF INFORMATION TECHNOLOGY, WAKNAGHAT

TEST -1 EXAMINATION-2023

B.Tech-VII Semester (CE)

COURSE CODE (CREDITS): 18B1WCE732 (3)

MAX. MARKS: 15

COURSE NAME: Environmental Management and Impact Assessment

COURSE INSTRUCTORS: Dr. Rishi Rana Kalia

MAX. TIME: 1 Hour

Note: (a) All questions are compulsory.

(b) Marks are indicated against each question in square brackets.

(c) The candidate is allowed to make Suitable numeric assumptions wherever required for solving problems

Q.1 Discuss the various human activities that generate emissions? [2 Marks] [CO-1]

Q.2 Gas from a thermal pool has an SO₂ content of 7 ppm at 760 mmHg and 50°C. Calculate the concentration of SOX concentration in micrograms per cubic meter and milligram per cubic meter? [3 Marks] [C0-2]

Q.3 Explain in detail the process of sequential transition in environmental movement? [4 Marks] [CO-2]

Q.4 Determine the volume of 3 mol of stack gas at 1400 mmHg and 1000°C. [2 Marks] [C0-2 &1]

Q.5 Calculate the sound pressure level of the sources emanating the sound at every 10 minutes intervals as give in the following data- [2 Marks] [CO-3]

Time	dB
90	118
100	120
110	129
120	140
130	165
140	170
150	185
160	186
170	190
180	200

Q.6 what are fault tree and event tree analysis? [2 Marks] [CO-1]