

COURSE CODE: 14M31CE114

MAX. MARKS: 25

COURSE NAME: EIA and Risk Management

COURSE CREDIT: 3

MAX. TIME: 1.5 HR

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

1. 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 $\mu\text{g}/\text{m}^3$ and milligrams/ m^3 ? (3Marks) (CO-2)

2. (a) Discuss the environmental impacts of noise? (3 Marks) (CO-3)

(b) Explain in detail the causes of land degradation? (3 Marks) (CO-3 &4)

3. Calculate the sound pressure level of the sources emanating the sound at every 10 minutes intervals as give in the following data-

Time	dB
10	71
20	75
30	70
40	78
50	80
60	84
70	76

80	74
90	75
100	74

(4 Marks)

(CO-4)

4. (a) Determine the volume occupied by 4 mol of gas at 25 °C and 820 mm Hg? (2 Marks) (CO-2)

(b) Discuss various models in detail used for water impact predictions associated with the project?

(5 Marks)

(CO-5)

5. Discuss the 10 major mitigation measures for soil and geological impact assessment?

(5 Marks)

(CO- 5& 6)