

N.B.

- (i) Attempt any **FOUR** Questions out of **SIX** Questions
- (ii) Illustrate with figures whenever necessary
- (iii) Assume suitable data if necessary and state it clearly

1 Explain the following **[20]**

- (a) Impact checklist method
- (b) Laws relevant to environmental protection in India
- (c) Environmental Impact assessment
- (d) Water physicochemical standards

2 Write a note on **[20]**

- (a) Environmental impact and effect of air pollution on people
- (b) Water quality impacts by projects like tunneling and mining

3 What are factors for consideration in assessing environmental impacts, its measurement and short term and long term effects? **[20]**

4 (a) Explain various sources of noise pollutants and how its environmental impact is assessed? **[10]**

4 (b) Explain any case study for environmental impact assessments **[10]**

5 Write a detail note on groundwater quality analysis **[20]**

6 (a) Write flowchart of the basic steps in performing socioeconomic impact assessment **[10]**

6 (b) Explain energy impact analysis and its considerations **[10]**