

(2½Hrs)

[Total Marks: 60]

- 1) All questions are compulsory
- 2) Figures to the right indicates full marks
- 3) Draw neat and labelled diagrams wherever necessary

- Q 1.** Answer any two from the following : **12**
- a. Explain deterioration of environmental quality with reference to anthropogenic impacts.
 - b. What is environmental monitoring? Explain its advantages in protecting the environment.
 - c. Discuss Rapid assessment method for Environmental monitoring.
- Q 2.** Answer any two from the following : **12**
- a. What is EIA? Explain matrix method and system diagram method for conducting EIA.
 - b. Give a detailed account on merits and demerits of EIA.
 - c. Discuss scope and objectives of Environmental Impact Assessment studies.
- Q 3.** Answer any two from the following : **12**
- a. Write a note on IRS satellites & their sensors.
 - b. Write a note on Aerial Photography and image recognition.
 - c. What is EMR? Explain its interaction with matter.
- Q 4.** Answer any two from the following : **12**
- a. What is GIS? Explain the types of geographical data.
 - b. State the importance of Geographical Information System in environmental studies.
 - c. Give a detailed account on importance of GPS in hazard monitoring.
- Q 5.** Write Short Notes on any four of the following: **12**
- a. Environmental Quality
 - b. Need of EIA
 - c. Types of environmental impacts
 - d. Remote sensing in pollution studies
 - e. Basic principles of GPS
 - f. Raster data

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