

Duration: 2 hours 30 minutes

Instructions to the candidates:

1. Attempt all questions
2. Neat diagrams must be drawn wherever necessary
3. Figures to the right indicate marks for each question

- Q1.** Attempt any **two** of the following
- a) Elaborate on environmental forms as a measure of environmental quality. **06**
 - b) Define and add a note on environmental monitoring. **06**
 - c) Give an account on deterioration of environmental quality with reference to anthropogenic impact. **06**
- Q2.** Attempt any **two** of the following
- a) What is EIA? Explain the need and scope of EIA. **06**
 - b) What are the steps involved in conducting EIA? **06**
 - c) Elaborate on any three EIA assessment techniques. **06**
- Q3.** Attempt any **two** of the following
- a) Explain remote sensing and its principles. **06**
 - b) Explain the application of remote sensing in environmental studies. **06**
 - c) What are sensors, and what are their uses in remote sensing techniques? **06**
- Q4.** Attempt any **two** of the following
- a) Give the principle of GIS. **06**
 - b) Explain the hardware and software used in GIS. **06**
 - c) What is the global positioning system? **06**
- Q5.** Attempt any **four** of the following
- a) Types of environmental impacts. **03**
 - b) Environmental monitoring types. **03**
 - c) Explain aerial photography and its uses **03**
 - d) Short term monitoring. **03**
 - e) Merits and demerits of EIA studies. **03**
 - f) Raster and Vector data **03**
