

Quiz

1. Which of the following is not a spatial data
 - I. Land use map of a catchment
 - II. Layout of a canal
 - III. Production of various crops in a state
 - IV. Flood inundated area in a district.

2. Which of the following is not a spatial data
 - I. Area of a catchment
 - II. Drainage network
 - III. Submergence area of a reservoir
 - IV. Command of a canal.

3. A topographic map of survey of India on 1:50,000 scale covers an area of
 - I. 15' latitude X 15' longitude
 - II. 1° latitude X 1° longitude
 - III. 30' latitude X 30' longitude
 - IV. 15' latitude X 30' longitude

4. In the visible range of electromagnetic spectrum, colours arranged in increasing wavelength are:
 - I. Red, blue, green
 - II. Blue, green, red
 - III. Red, green, blue
 - IV. None of the above

Tutorial

1. What do you understand by point, line and area data and explain their key features.
2. What are the main topographic maps produced by Survey of India and list their key properties.
3. Remote sensing data from a recently launched Indian satellite Cartosat can be used to generate DEM of an area. Find out the key features of Cartosat series of satellites and describe them.

Case Study

Obtain the 1:50,000 scale Survey of India map of your area and compare it with the features on ground or as seen in Google Earth. What are the major changes, if any ?