

(Important Questions for Main RTU Exams)

Assignment of GIS&RS

Remote Sensing and GIS

Following are the important questions for examinations. I would suggest you to be thorough with 1 Mid and 2 Mid examinations question paper then look into following topics. As I am expecting atleast 40 to 50% of questions from your Mid examinations, though I cannot assure you.

Short Answer Questions (1Mark, 2Mark)

UNIT 1

1. Define Photogrammetry
2. What is parallax
3. Discuss What is stereoscopy
4. Compare map and mosaic

UNIT 2

1. Define remote sensing
2. what is EMR
3. Discuss geosynchronous and sunsynchronous orbits/satellites
4. What are different types of remote sensing platforms

UNIT 3

1. List elements of image interpretation
2. What is convergence of evidence

UNIT 4

1. Define GIS
2. What are components of GIS
3. What are fundamental operations of GIS
4. What is theoretical framework for GIS
5. Briefly discuss GPS

UNIT 5

1. List various applications related to agriculture, water resource and urban planning etc.
(Here you need to know various applications of rsgis given in syllabus)

LONG ANSWER QUESTIONS UNIT 1

1. Different types of aerial photographs
2. Parallax for heights derivation

UNIT 2

1. Process of remote sensing/ components of remote sensing
2. How electromagnetic energy interacts with earth and atmospheric features
3. Different types of sensors used in remote sensing

UNIT 3

1. Spectral properties of soil, water and vegetation (look into ppts or pdfs of nptel)
2. Contrast enhancement techniques/Image enhancement techniques
3. Supervised and Unsupervised classification

UNIT 4

1. Different types data input techniques used in GIS
2. Compare vector and raster
3. Explain raster and vector

UNIT 5

1. Applications of rs gis in urban planning
2. Applications of rs gis in agriculture
3. applications of rsgis in disaster management

Note: It is better to read all applications in general as they are easy to remember and score good marks in 5th unit. Make bullet wise points for topics given in unit 5.

ALL THE BEST