

# 19AGT302 & GIS AND REMOTE SENSING QUESTION BANK

## PART - A

1. Define synoptivity
2. How does EMR interact with Ozone?
3. List the characteristics of EMR interaction with soil particles
4. Interpret Raman's scatterings with others.
5. Simplify the effects of the atmosphere on spectral reflectance
6. How does EMR interact with water vapor?
7. Explain Multispectral sensing system
8. Interpret supervised & unsupervised classification.
9. What is the application of Remote Sensing?
10. What is reflectance?

## PART – B

1. Compare the characteristics of spatial & non-spatial data.
2. Describe the various features of vector and overlay processing. What are the data output devices with given any one example with the sketch?
3. Describe the fundamental projection classification of maps.
4. Briefly explain the application of GIS in highway alignment projects.
5. Explain in detail about the UTM projection System.
6. Outline the techniques utilized for raster and vector data compression.
7. Discuss the various types of raster data structures.
8. Briefly explain how GIS can be utilized as a land information system.
9. How will you improve highway planning with the help of GIS? Explain.
10. Outline the four basic procedures for inputting spatial data into a GIS.
11. Explain the applications of remote sensing and GIS in health hazards.