



DEPARTMENT OF GEO-ENGINEERING&RDT
COLLEGE OF ENGINEERING (A),
ANDHRA UNIVERSITY
Qualifying Examination for Ph.D.

Time: 3Hrs.

Max.Marks:100

Answer any five questions
All questions carry equal marks

1. Explain about principles, stages in Remote Sensing system and EMR radiation.
2. Write an essay on classification of aerial photographs, scale and resolutions.
3. What is digital image processing? Explain image rectification and restoration.
4. Describe about data types, data base structures uses in GIS.
5. What is GPS? Explain about GPS system.
6. Explain about point pattern and surface analysis.
7. Give a brief account of spatial data mining and interest GIS.
8. Write short note on.
 - A) Spectral signature of various Earth materials.
 - B) Hyper spectral Remote Sensing.
 - C) Mobile GIS.