

University of South Australia
School of Natural and Built Environments

Geographical Information Systems 2 (GEOE 1015)
Study Period 5, 2006

Length of examination: 3 hours
Reading time: 10 minutes

Total value of exam: 50 marks

Answer all four questions (12.5 * 4= 50 marks). Use sketches, diagrams to illustrate concepts.

1. Explain census geography and the advantages of hierarchical census zone system. Give few examples from the census data you have used.
2. What is address and how it is stored in a GIS theme. Explain the process of address matching with an example.
3. What are the properties of raster data? How is it different from vector data?
4. What is cartographic model? Provide an example of a model including the criteria and a flowchart of the steps used to apply the model.