

Uva Wellassa University of Sri Lanka
Faculty of Science and Technology
Department of Computer Science and Technology
400 level 1st semester Examination – Jul./Aug. 2016
CST 472-2 Geographic Information Systems



Instructions to candidates

Duration: Two (02) hours

Number of questions: Four (04) essay questions

Answer all questions

Mark allocation: 100

1. Write short notes on the following.

- a. Spatial data
- b. DEM data
- c. Objects and fields
- d. Vector data
- e. Map generalization

(25 mark)

2.

- a. Explain the importance of topology to vector data.
- b. Describe the difference between discrete and continuous data.
- c. List five (5) features of metadata.

(25 mark)

3.

- a. Discuss abstraction of geographical entities with relevant examples.
- b. What are the components of a geographic coordinate system?
- c. Discuss different primary methods of collecting geographical data.

(25 mark)

4.

- a. Discuss three different applications in GIS with suitable examples.
- b. Discuss importance of database in GIS?

(25 mark)

