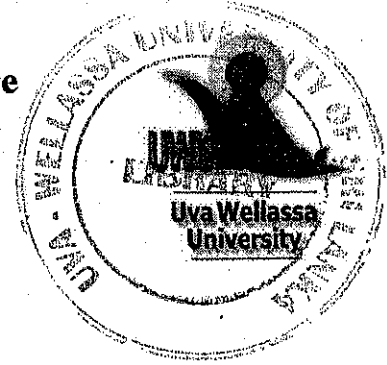


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**BSc in Export Agriculture**  
**Faculty of Animal Science & Export Agriculture**  
**Uva Wellassa University**  
**Year II Semester II**



**End Semester Examination – July 2010**

**Introduction to GIS (EAG 243-0)**

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**Instructions**

Answer **all** questions

No. of questions : Four (04)  
No. of pages : Two (02)  
Time allocated : One hour (1 hr)  
Total marks allocated : 100

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**01.**

- (a) Define the term “map”.
- (b) What are different types of maps? Briefly explain their characteristics and uses.

(25 marks)

**02.**

- (a) What is map scale? Calculate the ground distance (in kilometers) between point A and point B if they are 7.5cm apart on a map with a scale of 1:50,000.
- (b) What is the map distance (in centimeters) between point X and point Y on a 1:10,000 scale map if they are 4 km apart on the ground?

(25 marks)

**03.**

- (a) Using sketch diagrams explain how you identify different landforms by studying contour patterns on maps.
- (b) Briefly describe global/geographic coordinates and planar coordinates.

(25 marks)

04.

- (a) Describe each term of the acronym "GIS" in detail.
- (b) Explain how you would organize different thematic layers to produce a map layout in ArcView GIS environment.

(25 marks)

- END -