



EASTERN UNIVERSITY, SRI LANKA

THIRD YEAR FIRST SEMESTER EXAMINATION IN AGRICULTURE – 2006/2007

(JUNE/JULY – 2014)

AEN 3103- APPLICATION OF GEO-INFORMATICS IN AGRICULTURE

EXTERNAL DEGREE

(Repeat Exam)

Answer **all** questions

Time allowed: One hour

- 1 a. Create a Sri Lanka Map in Arc GIS 9.2 (in Layout view, A4 size) fulfilling the following requirements: (save the file as Roads of Sri Lanka .mxd and export it into .jpg)
- Include District and Roads
 - Assign colours: Green for District, Black for Roads
 - Set North Arrow, Scale Bar, Title, Neat line and Legend
 - Label the Districts
- (50 marks)
- b. Create a Sri Lanka Map in Arc GIS 9.2 (in Layout view, A4 size) fulfilling the following requirements: (save the file as Major towns of Sri Lanka .mxd and export it into .jpg)
- Include DS divisions (DSD) and Major towns
 - Assign colours: Orange for DSD, Green for Major towns
 - Set North Arrow, Scale Bar, Title, Neat line and Legend
 - Label the Major Towns
- (50 marks)
2. a. Create a population map for 2010 by using Graduated colours and symbols in one layout and export it in .jpg with proper mapping features.

(25 marks)

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b. Create a population map including the graph comparing the years of 1981 and 2001 for Batticaloa, Trincomalee and Ampara Districts (save the file as population. mxd and export it into .jpg)

(25 marks)

c. Write short notes on the following:

- i. Applications of GIS in Agriculture
- ii. Components of GIS

(50 marks)