EASTERN UNIVERSITY, SRI LANKA

THIRD YEAR FIRST SEMESTER EXAMINATION IN AGRICULTURE – 2011/2012

AEN 3103- APPLICATION OF GEO-INFORMATICS IN AGRICULTURE

(January/February 2014)

Repeat Exam

Answer **all** questions

Time allowed: One hour

---

1   a. Create a map in Arc GIS 9.2 (in Layout view, A4 size) fulfilling the following requirements: (save the file as Sri Lanka. mxd)

    i.   Add the layers of District and Roads

    ii. Assign colours: Green for District, Black for Roads

    iii. Set North Arrow, Scale Bar, Suitable Title, Neat line and Legend

    iv. Label the Districts

    v.   Export the file as Sri Lanka.jpg format

   b. Create a population map for 2010 and export it in .jpg with proper mapping features using:

    i.   Graduated colours

    ii. Graduated symbols

2   Create a Map using the following attributes:

    i.   A map with population graph comparing the population in 1971, 1981 and 2001 in the Kandy, Matale and Nuwara Eliya Districts (save the file as population. mxd)

    ii. Add in one layout as graph and map and export as population.jpg with proper mapping features

    iii. Create 2 maps comparing the population density in 2001 and 2010(save the file as population_density. mxd)

    iv. Export the maps as population_density.jpg in one layout with proper mapping features