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04 DEC 2009
Eastern University, Sri Lanka

Eastern University, Sri Lanka
First Semester Examination 2008/2009
Faculty of Agriculture

✓ **AEN 3103: Geo-Informatics**

Answer *All* questions

Allocated Time: 01.30 hrs

Follow the instruction carefully and prepare the following maps.

- All the data (shape files) are stored in directory D:\Practical data.
- Create a new folder in the name of your index number (Eg: AS 318)
- All your work has to be saved in your Index folder.

1. Displaying map, symbolizing and labeling features.

- a. Add "District", "Road" and "Forest" shape files from the folder of "Sri Lanka"
- b. Change the map unit in *Kilo meter* and display unit in *meter*
- c. Change the color in green of forest and red in road layer
- d. Create bookmark to Trincomalee harbor, Colombo port and Batticaloa town.
- e. Inactivate the road and forest layers.
- f. Create pie charts to show comparison of population for years 1963, 1971 and 1981.
- g. Add "District" shape file again. Put label the districts by the name
- h. Change label size in 10, color in red, and font in Times New Roman.
- i. Create annotation to district name labels.
- j. Save your map documents in the name of "Ques_01" and remove all themes from table of contents.

(10x04=40 Marks)

2. Editing attribute tables and creating layouts.

- a. Add "DSD" shape files from the folder of "Sri Lanka" Export Anurathapura district as a shape file from DSD layer and save the exported data in the name "Anu_dist". Then remove theme "DSD" layer from table of contents.
- b. Open the attribute table for "Anu_dist" layer. Create new field in the name of "AREA_PERCE" calculate percentage of the "AREA" values.
- c. Change color in "Olive" and Label the "Anu_dist" layer by the "AREA_PERCE"
- d. Quantities the map in graduate colors by values of AREA_PERCE.
- e. Create a layout for an A4 size and it should be covered *north arrow, legend, and scale* to the map.
- f. Save your map documents in the name of "Ques_02" and export layout as an image in JPEG mode in the name "Anu".

(06x10=60 Marks)