

Eastern University, Sri Lanka
First Semester Examination 2007/2008
Faculty of Agriculture



Third Year

AEN 3103: Geo-Informatics

Answer All questions

Allocated Time: 02hrs

- Follow the instruction carefully and prepare the following maps.
- All the data (shape files) are stored in directory of C:\GEOS 3204.
- Create a new folder with your index number into GEOS 3204
- All your work has to be saved in your new folder.

Q1) add *divsec.shp*, *stream.shp*, *townvil.shp*, *road.shp* and *railway.shp* from directory C:\GEOS 3204\slanka

a. Convert Anuradapura district and save as "anu" and change colour in light yellow

(10 marks)

b. Clip themes road, railway, stream and townvill shape files only for Anuradapura district and save above each theme as like Anu road, Anustream, Anurailway, and Anutownvil. The following themes has to be change

Road: color in red and size 03

Stream: color in blue

Railway: color black, size 03

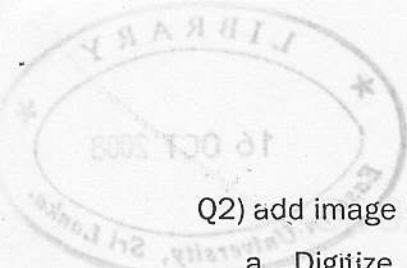
(20 marks)

c. Add *dist.pop.shp* files. Create bar chart on an each district based on 1963, 1971 and 1981 population.

(20 marks)

d. Remove *divsec.shp*, *stream.shp*, *townvil.shp*, *road.shp* and *railway.shp* from table of contents and Save (save project as) your all works in as a name "ques01" (After save is conformed clear all themes in table of contents before enter 2nd ques).

(10 marks)



- Q2) add image "Kothmale" in following directory C:\GEOS 3204\scanmap
- a. Digitize GN area and roads in separate layers and save in your folder
 - b. Create database and enter area's name under name field
 - c. Put label on each gndivisions. Label size in 14
 - d. Save (save project as) your works in as a name "ques02"

(4x10 = 40 marks)

Allocated time: 05hrs

Follow the instruction carefully and prepare the following items

- All the data layers that are used in this project should be saved in a new folder with your index number into GEOS 3204
- All your work has to be saved in your new folder

Q2) add image "Kothmale" in following directory C:\GEOS 3204\scanmap

- a. Convert Antudambura district and save as "ant" and change color in light yellow
- b. Clip themes road, railway, stream and town/ship files only for Antudambura district and save above each themes as like Ant road, Antstream, Antrailway and Anttown/ship. The following themes has to be change
Road: color in red and size 03
Stream: color in blue
Railway: color black, size 03
- c. Add the pop.shp files. Create bar chart on each district based on 1963, 1971 and 1981 population.
- d. Remove dissect.shp, stream.shp, town/ship, road.shp and railway.shp from table of contents and save (save project as) your all works in as a name "ques02". After save is confirmed check all themes in table of contents before enter 2nd ques.