RAJARATA UNIVERSITY OF SRI LANKA
FACULTY OF APPLIED SCIENCES

B.Sc. (Special) Degree in Applied Biology
Third Year Semester I Examinations – June/ July 2018

BDC 3203- INTRODUCTION TO GEOGRAPHIC INFORMATION SYSTEMS
(Practical)

Time: One (01) hour

Answer **ALL** questions.

Read the given instructions carefully and compile the map for the Galgamuwa topographical sheet, as per file names given. All the shape files are in C:\Exam directory and all your work has to be saved in the computer itself C:\Exam\your name\ …...shp.

*Do not forget to save your work from time to time.

*Note that the underlined italic names are the files you will have to create.

1. a). The Galgamuwa.sid topographical sheet, Fig 1.JPEG and the coordinate file are provided in the C:\Exam folder. Select and add Galgamuwa.sid and locate the Mahananneriya Lake.

   b). Geo-reference Fig 01.JPEG and digitize the Mahananneriya Lake and export the shape file to C:Exam as *Mahananneriya Lake.shp*. Use your name and index number for data bases that has to be prepared.

   c). In the same map locate the B type and Jeep or cart tract close to the reservoir. Digitize both road types and show it in your output figure.

   d). Using a point file, name the villages; Weerasooriyagama and Tattawannayagama.

   e). Save your project using your name and index number. Your final output should be saved as a tiff file in the C:\Exam folder as *Mahananneriya Lake.tiff* using a resolution of 300dpi. (Note: *name* is the name you use to save the layer Eg. Forest.shp)
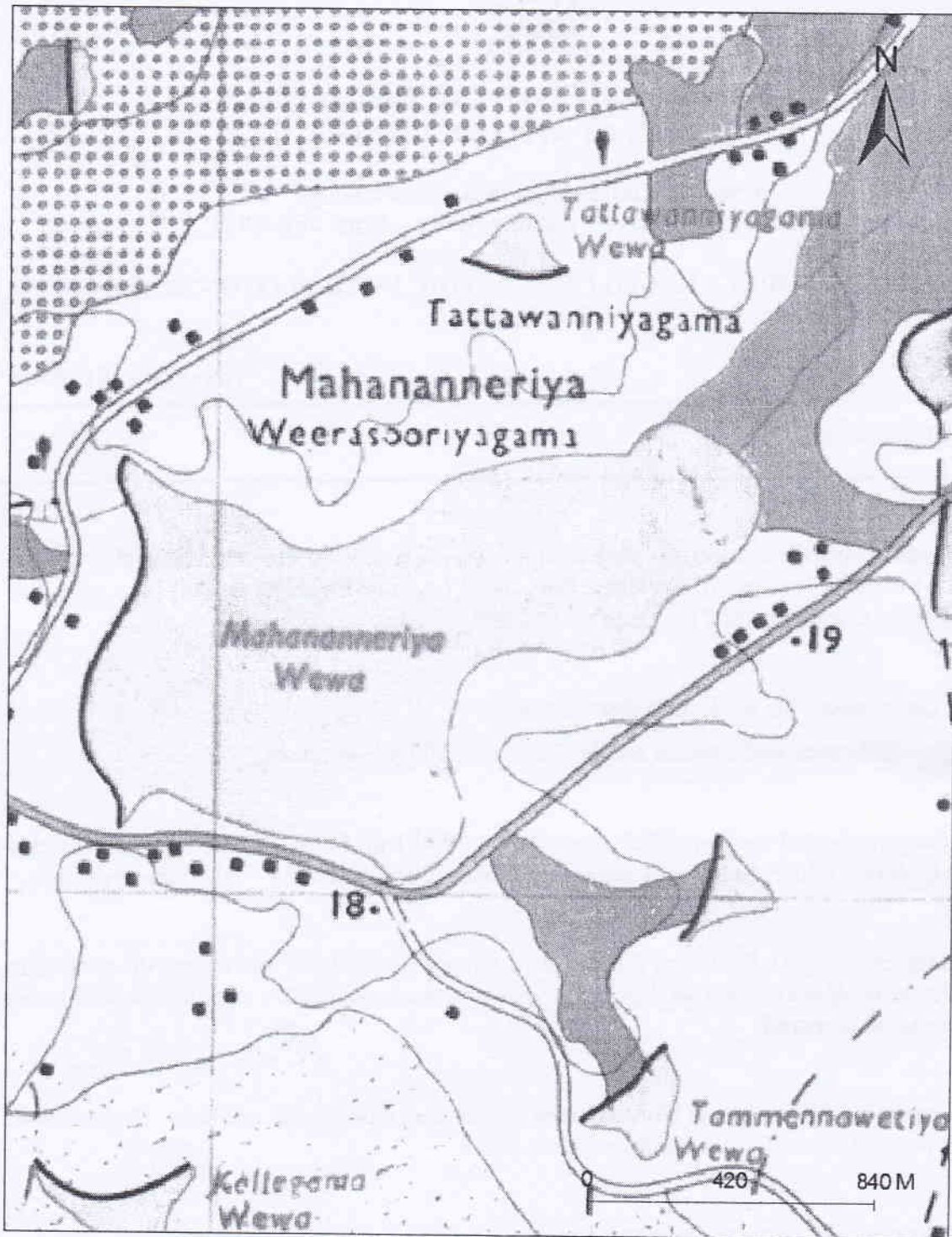
   (100 marks)

Figure 01