KFUPM - COMPUTER ENGINEERING DEPARTMENT
COE-485 – Senior Project Design

Student Name:
Student Number:

In the context of the two senior design projects mentioned in class and the related numerous websites' and internet material you have read, answer the following questions:

1) (15 points) What do these acronyms stand for:

    a. GPS: Global Positioning System

    b. SMS: Short Message Service

    c. GSM: Global System for Mobile Communications

    d. VTA: Vehicular Tracking Application

    e. GIS: Geographic Information System

2) (10 points) What is meant by symbian operating systems? Would you consider windows CE a symbian OS and why?

Symbian's advanced open standard operating system for data enabled mobile phones. It includes a multi-tasking multithreaded core, a user interface framework, data services enablers, application engines and integrated PIM functionality and wireless communications. In addition symbian OS are optimized for usage of limited resources. Window Mobile and Palm OS are usually considered symbian OS since they are support mobility and wireless related interfaces.

3) (10 points) What are the native software encoding formats for maps?

Raster (bit map) or vector formats.

4) (15 points) What is the GPS receiver used for? List some of the applications that depend on GPS?

GPS receiver is used for determining the x,y,z coordinates of a location on earth.

Applications: Vehicular tracking, fleet tracking/control, airplanes (autopilot), military applications, etc.