Submit the TMA to your tutor by 12 Jul 2000.

Question 1 [9 marks]

Describes three software myths not mentioned in the course materials. You should contrast the myths with reality.

Question 2 [9 marks]

Compare the waterfall model and prototyping in terms of
(i) user requirement analysis;
(ii) quality of the product;
(iii) user involvement in the project.

Question 3 [50 marks]

You are asked to lead a project in implementing a new computer system in the OUHK Library. Write a requirements specification for the system. You can use your imagination for the new features to be included in the system. Some examples of requirements specification can be found at

http://www.imappl.org/crest/example.html

Note that some of the links there have already expired. The length of the specification should be between 1500-2000 words.

Question 4 [32 marks]

In recent years, the idea of open software source movement has attracted lots of attention. Many projects have started which are committed to provide both the source code and executables to the public free. Examples are:

    GNU project  http://www.gnu.org
    Linux project http://www.linux.org

Write a report in about 1000 words about the impact of this movement in terms of software engineering. You should pay special attention to how the software development process might be changed by these efforts.

A good paper on this subject is: The Cathedral and the Bazaar, by Eric S. Raymond.
(http://www.tuxedo.org/~esr/writings/cathedral-bazaar/cathedral-bazaar.txt)