CS615 Software Project Management

Mid Term Examination – Spring 2006

Time Allowed: 90 Minutes

Please read the following instructions carefully before attempting any question:

1. This examination is closed book, closed notes, closed neighbors.

2. Answer all questions.

   a. There is no choice.

   b. You will have to answer correctly all questions in this examination to get the maximum possible marks.

3. Do not ask any questions about the contents of this examination from anyone.

   a. If you think that there is something wrong with any of the questions, attempt it to the best of your understanding.

   b. If you believe that some essential piece of information is missing, make an appropriate assumption and use it to solve the problem.

4. Choose only one choice as your answer in multiple choice question.

**WARNING: Please note that Virtual University takes serious note of unfair means. Anyone found involved in cheating will get an `F` grade in this course.

Question No. 1	Marks : 2

The first activity in risk analysis is risk management.
★ True
★ False

Question No. 2	Marks : 16

If you are given a Software Project to manage, what steps you will consider for planning of the project.

Question No. 3	Marks : 2

During the Implementation phase the software modules are coded and initial unit tests are performed.
★ True
★ False

Question No. 4	Marks : 14

a) Giving reasons for your answer based on the type of system being developed, suggest the most appropriate software process model which might be used as a basis for managing the development of the following *system:* (9)

i. Certified Carriers is a courier company that has decided to automate its billing, customer service, and inventory systems due to an increase in their sales volume and customer strength.
 ★ The company has no experience in automation because this is for the first time that they are planning for automating their basic services.
 ★ The client too has no idea about the size, cost, and the duration of the project.
 ★ They have assigned the automation project to Technology Systems.
 ★ Technology Systems needs to analyze the systems of Certified Carriers and present a prospective: working model of the software product.
 ★ Only after the working model is approved and signed-off by Certified Carrier, will the team draw up a specific project plan and create a development team.
 ★ However, an analysis team is formed to create the working model, arrange meetings with the client, accept feedback, and implement all practicable feedback to the working model.
 ★ The team at Technology Systems intends to reuse the technology and the working model to further develop and complete the creation of the software product.

b) **Explain why the waterfall model of the software process is not an accurate reflection of the detailed software processes in most organizations. Why is a spiral model more realistic? (5)**

Question No. 5	Marks : 2

Both the software engineer and customer take an active role in software requirements engineering-a set of activities that is often referred to as Requirement _____

- ★ Managing
- ★ Recognition
- ★ Analysis
- ★ Modeling

Question No. 6	Marks : 2

The Efficiency with which a program runs on different platforms or operating systems is called :
- ★ Portability
- ★ Reusability
- ★ Configurability
- ★ Interoperability

Question No. 7	Marks : 12

Differentiate between Baseline Version and Interim Version. Give at least three differences.