

EC Websites Development & Management 2007 Fall
Mid-Term Examination
Duration: 3 hours

INSTRUCTIONS : This paper consists of 3 sections. You need to select at least one and at most 2 questions from each section. Each question carries 20 marks.

SECTION A

Question 1

- (a) What is the definition of information systems [5 marks], and its relation with a company's business operation [5 marks]?
- (b) What are the differences between a website and an information system? [5 marks]
- (c) With an aid of diagrams, explain the differences between conventional and contemporary types of information systems. [5 marks]

Question 2

- (a) With an aid of diagrams, describe in detail any 3 development approaches (other than waterfall model), and state their differences. [15 marks]
- (b) If you are told to lead a team building the website for Institute of Electronic Commerce, which approach you will follow and explain why. [5 marks]

Question 3

- (a) State any five reasons to initiate a development project. [5 marks]
- (b) With an aid of diagram, describe in detail the road map that a system developer could follow in order to achieve a traceable analysis model. [15 marks]

SECTION B

Question 4

- (a) Describe in details the roles and responsibilities of each participant in a system development project? [10 marks]

- (b) Describe the similarities and differences amongst feasibility analysis, requirement analysis, system analysis. [10 marks]

Question 5

Select a website from Travelocity.COM, Global-Trade.COM, iSteelAsia.COM and Forbes.COM, (a) describe the potential users of the website [5 marks], (b) the underlying information technologies being used [5 marks], (c) the services that the company provides, [5 marks] and (d) discuss how the website helps to make money (or reduce operational cost) for the company. [5 marks]

Question 6

In system analysis, data are collected for further analyzed. Describe in detail the techniques for which the data are collected, and in what situations the techniques can be applied. Add examples if necessary. [20 marks]

SECTION C

Question 7

Suppose that there is no relevant system to support the dialy adminstration operations for our Institute and you are told to lead a team building a new website to support this.

- (a) Describe in detail how the requirement of the website can be analyzed. [10 marks]
- (b) Describe in detail the content you will put in the system analysis report. [5 marks]
- (c) Describe what kind(s) of expertise you will recurit in the team to build the website. Explain why. [5 marks]

Question 8

Could the idea of component-based development be merged with rapid application development approach and why? [20 marks]

Question 9

Identifying the milestones, preparing the Gnatt chart, analyzng the critical path and man-aging configurations are four important issues in system development. Explain what are the purposes of these four issues and why they are so important? [20 marks]