

Mansoura University Faculty of Engineering Building and Construction Engineering (BCE)		Course Code:
Exam Time: 2hours	Final Term Exam 12-6-2014	Management of Information Systems (MIS)

Model Answer

Question One (10 Marks)

Compare between Re-Use development models and Plan-driven models with respect to the below aspects:

Ans.:

	Water Fall	Re-Use
Response to Changes	Difficult, requires a change request	Limited coping with changes because of the re-use,
Process visibility	Good visibility	Same
Cost	Pricy	Less costs in case of re-use of inhouse components only
Complexity	More complex	Less complex
Efficiency	Efficient in very large projects	Efficient in systems with standard functionality

Question Two (10 Marks)

Indicate the project workflow and the delivery times of an IS project with equal phase duration of 3 weeks in case of:

Ans. (for the workflows see the handmade sketches):

a- waterfall model

delivery time = 12 weeks

b- incremental:

delivery times = 4,5,6 weeks

Question Three (10 Marks)

Draw the project Gantt chart of an IS project with equal phase duration of 3 weeks and start-up on 1-7-2014 in case of:

Ans.: see attached handmade sketches

a- waterfall model

b- incremental

Question Four (10 Marks)

Specify if the following statements are True or False and correct the false ones (لا تستخدم النفي):

- a- (✓)
- b- (✓)
- c- (✓)
- d- (X) Correction: Commercial off the Shelf System
- e- (X) Correction: Waterfall model is the most cost-effective model for software development in large projects only
- f- (X) Correction: An incremental process is easy to change.
- g- (X) Correction: Information systems can be of generic nature or custom.
- h- (✓) Information systems engineering is concerned with cost-effective system development.

Question Five (10 Marks)

a- List five information systems applications (5 marks)

Ans.: banking information systems, healthcare information systems, educational information systems, military information systems

b- Sketch the phases of requirements engineering process (5 marks)

(Good Luck - End of Exam)