

NATIONAL UNIVERSITY OF SINGAPORE

PF2201 SCOPE AND DESIGN MANAGEMENT

Semester 1, AY2011/2012

Time Allowed : 2 Hours

INSTRUCTIONS TO CANDIDATES

1. This examination paper contains **THREE** questions and comprises **TWO** printed pages.
2. Candidates must attempt **ALL** questions.
3. Candidates may make necessary assumptions in their answers, provided that these assumptions are not inconsistent with the information given in the questions and are stated in the answers.
4. The total mark for this paper is 60.
5. Marks are as indicated in the questions.
6. This is an **OPEN BOOK** examination.
7. The examiner for this module is Dr. HWANG Bon-Gang.

Question 1

“UNDER PROMISE and OVER DELIVER” can be one of the effective strategies for managing client’s expectations. Explain, using appropriate examples, how this strategy is related to “One Key Concept and Four Critical Components of Expectation Management”.

(20 marks)

Question 2

You have prepared the scope statement and the Work Breakdown Structure (WBS) for your project and an approved project execution plan. Your project is now under way, but you recognize that, given the nature of project work, scope change is inevitable. Having suffered the consequences of “Scope Creep” in past projects, you are well aware of its risk and impact. To avoid similar experience, you meet with your project team and decide to establish a system to manage scope creep.

(a) What are the elements of this system?

(5 marks)

(b) Explain, using appropriate examples, how the system works for scope creep.

(15 marks)

Question 3

Using precast concrete has advantages and disadvantages when compared with cast-in-situ concrete. Explain, using appropriate examples of precast concrete structure, the relationship between design and construction.

(20 marks)

END OF PAPER