The University of Melbourne
Department of Computing and Information Systems
SWEN30006 Software Modelling and Design
Semester 1 Exam 2017

Reading Time: 15 minutes
Writing Time: 2 hours
Total marks for this paper: 120

This paper has 8 pages including this page.

Authorised materials: No materials are authorised.

Instructions to invigilators:
Each student should initially receive a script book.

Instructions to Students:
- Answer all questions.
- The marks for each question are indicated at the beginning of each question.
- The marks are an indication of how much time should be spent on the question.
- *Clearly number* each question.
- Make sure that you add your student number to each answer script.

This examination contributes 60% of your total marks for the subject.

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Question 1. [15 marks]

Briefly define each of the following terms and explain its importance in relation to software design:

1. …
2. …
3. …

Question 2. [6 marks]

Describe …. Use the example below to illustrate ….

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…
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Question 3. [6 marks]

An application requires …. Which software pattern would assist in designing for this situation and why?

Question 4. [7 marks]

Describe …, using … as an example.

Question 5. [6 marks]

Describe ….

Question 6. [10 marks]

Identify ….

Question 7. [20 marks]

This question relates to the diagram which follows ….

Below is a list ….

   a. [2 marks] ….
   b. [4 marks] ….
   c. [7 marks] ….
   d. [7 marks] ….

Question 7: <figure>

Question 8. [10 marks]

… Draw a … diagram ….

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Question 9. [20 marks]

 … Draw a … diagram ….

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Question 10. [20 marks]

… draw a … diagram ….

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Below is a partial … diagram showing ….

End of the Exam Questions

End of the Exam Paper