



University College Dublin
An Coláiste Ollscoile, Baile Átha Cliath

SEMESTER II EXAMINATION – 2016/2017

COMP 2007L

Mobile Application Development

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Time allowed: 2 hours

Instructions for candidates

This is a closed book exam. Dictionary Allowed. Answer all questions. The paper is marked out of 100.

Question 1: (20 marks)

What is a Mobile application (5 marks)? What is the difference between a Mobile application and a traditional (desktop-based, laptop based) application (5 marks)? Justify your answer with an example (10 marks).

Question 2: (20 marks)

- (a) Describe the Android Operating System (Drawing Advised, 10 marks).
- (b) What is the most important component in Android Operating System? Justify your answer (10 marks).

Question 3: (20 marks)

- (a) What are the Main Building Blocks (MBB) of an Android application? What are they used for? (10 marks)
- (b) What is the most important component in the Android MBB? Justify your answer with an example. (10 marks)

Question 4: (20 marks)

- (a) What are the main steps in developing a Mobile application? Describe each step in details (10 marks)
- (b) What is the most important step in developing a Mobile application? Justify your answer. (10 marks)

Question 5: (20 marks)

Compare the development process of an Android application and an iOS application with an example.

END OF EXAMINATION