

**INSTITUTE OF
TECHNOLOGY
BLANCHARDSTOWN**

Year	Year 3
Semester	REPEAT PAPER
Date of Examination	Tuesday 20th August 2013
Time of Examination	1.00pm – 3.00pm

Prog Code	BN302	Prog Title	Bachelor of Science in Computing in Information Technology	Module Code	COMP H3029
Prog Code	BN013	Prog Title	Bachelor of Science in Computing in Information Technology	Module Code	COMP H3029
Prog Code	BN104	Prog Title	Bachelor of Science (Honours) in Computing	Module Code	COMP H3029

Module Title	Project Skills
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Internal Examiner(s): Dr. Luke Raeside

External Examiner(s): Mr. Michael Barrett

Dr. Tom Lunney

Instructions to candidates:

- 1) To ensure that you take the correct examination, please check that the module and programme which you are following is listed in the tables above
- 2) Answer ANY TWO questions
- 3) All questions carry equal marks.

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Candidates should attempt any 2 of the following 3 questions

Question 1:

- a) Define a **Project** within the context of Information Technology.
(3 marks)
- b) Explain **THREE** objectives of **Project Management** within the context of Information Technology.
(9 marks)
- c) Describe briefly **FIVE** sequential phases of **Project Management** within the context of Information Technology.
(16 marks)
- d) Draw a diagram of a **SDLC** (Software Development Lifecycle). Outline **ONE** advantage that a **SDLC** offers to **IT Project Management**.
(9 marks)
- e) Illustrate the main features of a **Gantt Chart**. Include the following in your illustration:
 - i. Activities
 - ii. Dependencies
 - iii. Milestones(9 marks)
- f) Outline briefly the contents of **EACH** of the following **Project Management** artefacts:
 - i. Project Scope Document
 - ii. Responsibility Matrix(4 marks)

[Total 50 marks]

Question 2:

- a) Write an outline plan for a **Literature Review** of a dissertation/thesis. Describe briefly the aims of each paragraph/section included in your plan.

(10 marks)

- b) List **THREE** different **research literature** sources. Briefly discuss the **prominence** of each of the sources listed.

(9 marks)

- c) Differentiate clearly between **paraphrasing** and **direct quotation** in academic writing. Provide an example of **EACH** with your answer.

(9 marks)

- d) List **TWO** commonly used **referencing** styles within the Computer Science literature. Provide an outline example of **ONE** of the styles listed (for a reference source of your choice).

(4 marks)

- e) Explain clearly **EACH** of the following in the context of Computer Science **research projects**:

- i. User Testing
- ii. Case Study
- iii. Plagiarism

(9 marks)

- f) Briefly describe **TWO** advantages of **writing a summary** of research materials encountered/studied during the course of a project.

(6 marks)

- g) Identify and briefly summarize **ONE** feature of good **academic writing** style.

(3 marks)

[Total 50 marks]

Question 3

- a) Describe **THREE** advantages of using a **Version Control System** within the context of IT Project Management.
(9 marks)
- b) List **TWO** commonly used **Version Control Systems**. Outline **ONE** advantage OR disadvantage of **EACH** of the **Version Control Systems** listed.
(6 marks)
- c) Describe briefly **EACH** of the following terms within **Version Control**:
- i. Checking in (committing to repository)
 - ii. Locked editing (reserved editing)
 - iii. Conflict
- (9 marks)
- d) Explain briefly **BOTH** of the following concepts within the context of academic work:
- i. Academic honesty
 - ii. Thesis (Dissertation)
- (6 marks)
- e) Define clearly the term **hypothesis**. Describe briefly **TWO** data gathering techniques that can be used to gather data while investigating a **hypothesis**.
(6 marks)
- f) Differentiate clearly between the nature of data gathered and analysed in **qualitative** and **quantitative** research techniques.
(5 marks)
- g) Describe **THREE** advantages of using a **Collaborative Writing Environment (CWE)** in academic team-based writing.
(9 marks)

[Total 50 marks]