

MARK SCHEME FOR INTERNAL ASSESSMENT

Unit 1: Information Technology Theory

The aim of the project is to develop the candidate's appreciation for and use of the problem solving process.

Requirements

Each candidate is required to identify and examine a problem in their own environment which requires an Information Technology based solution. The candidate should define the problem, collect data relevant to that problem identify and examine options and present the selected solution with justification. The candidates should ensure that the selected solution is an Information Technology based solution. The students should produce a report of approximately 1500-2000 words.

UNIT 1

REPORT:

Problem definition	(2 marks)
• Complete accurate description of the problem	2 marks
• Partial accurate description for the problem	1 mark
Gantt Chart	(2 marks)
• Complete - showing all stages from analysis of the problem to justification of solution with realistic times and appropriate use of the chart	2 marks
• Partially complete - showing some stages, timelines incomplete or unrealistic with inappropriate use of chart	1 mark
Analysis of the problem	(3 marks)
• Thorough analysis applying at least three appropriate fact finding techniques to establish the major cause of the problem	3 marks
• Thorough analysis applying two appropriate fact finding techniques that identify the cause of the problem	2 marks
• Thorough analysis using one fact finding technique that identifies a cause of the problem	1 mark
Identification of possible solutions	(2 marks)
• Identification of TWO or MORE possible solutions	2 marks
• Identification of ONE possible solution	1 mark
Evaluation of possible solution	(3 marks)
• Complete evaluation of TWO or MORE solutions identified with appropriate treatment of elements such as hardware tools, software tools, other equipment, personnel, cost, and other relevant entities	3 marks
• Partial evaluation of TWO or MORE solutions identified as it pertains to the treatment of the elements identified above	2 marks
• Evaluation of ONE solution identified	1 mark
Solution	(2 marks)
• Selection of the MOST feasible solution	2 marks
• Selection of a solution	1 mark

Justification of solution

(4 marks)

- Thorough analysis of the issues and appropriate justification of ALL strategies recommended 4 marks
- Through analysis of the issues and appropriate justification of MOST strategies recommended 3 marks
- Some analysis of a few of the issues and appropriate justification of some strategies 2 marks
- Appropriate justification of few or partial analysis 1 mark

Presentation and communication of information

(2 marks)

- Paper is organised and well structured
- Cover, content page and abstract present and complete
- Layout of References (MLA or APA)

ALL THREE

2 marks

ANY TWO

1 mark

(20 marks)