Name :   **Tutor :**   **Tutor Lecturer :**

INSTRUCTIONS :
Answer all questions.
Electronic Calculator can be used.

25
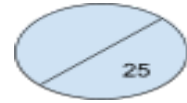
1. Information technology is concerned with improvements in a variety of human and organizational problem-solving through the design, development and use of technologically based systems and processes that enhance the efficiency and effectiveness of information in a variety of strategic, tactical and operational situations.

    a) Define Information Technology   [2 mark]

    b) How does IT help students in their studies? Explain.   [2 marks]

    c) Give **one (1)** application in IT that helps the publication process. Explain.   [2 marks]

    d) List **two (2)** advantages of computers over humans.   [2 marks]

    e) Answer the question based on statement below:

X	Y
These computers are powerful servers that are part of a networked designed to handle hundreds of thousands of clients at the same time.	These computers are ultrafast systems that process large amount of scientific data, often for underlying patterns and typically used for simulations in petroleum exploration and production, structural analysis, computational fluid dynamics, physics and chemistry, electronic design, nuclear energy research and meteorology.

    i.   Identify X and Y.   [2 marks]

    ii. Give one (1) difference between X and Y.   [2 marks]

f) Mobile devices have become very popular recently.

    i. In your opinion, what makes mobile devices more popular than desktop? [2 marks]

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    ii. Give one (1) weakness of mobile devices? [1 mark]

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_____

2. a) Identify the steps in Information Processing Cycle based on the actions below. The actions are arranged randomly. [4 marks]

User Roles	Computer Roles	Steps
Accept or reject suggested misspelled words	Display list of misspelled words	
Start spell-checker program	Spell-checker program compares words in document to built-in dictionary	
Save corrected document	Store final document to disk or drive	
Enter word-processed document	Receive document	

b) Explain two (2) processes involved in Information Processing Cycle. [2 marks]

_____

_____

c) Which two phases of the information processing cycle are handled by a touchscreen? [2 marks]

_____

_____

d) During which phase of the information processing cycle would you save a term paper?

[1 mark]

_____

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e) The camera of a smartphone is most likely used during which phase of the information processing cycle?

[1 mark]

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