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MASENO UNIVERSITY
UNIVERSITY EXAMINATIONS 2016/2017

**SECOND YEAR FIRST SEMESTER EXAMINATIONS FOR THE
DIPLOMA IN SUPPLY CHAIN MANAGEMENT**

CITY CAMPUS - EVENING

ADB 0103: MANAGEMENT INFORMATION SYSTEMS

Date: 6th June, 2017

Time: 5.30 - 8.30 pm

INSTRUCTIONS:

- Answer question ONE and any other THREE questions.
- Question one is 25 marks and the rest are 15 marks each



QUESTION ONE

(25 Marks)

- a) "For applications such as banking, it may be argued that security is a major concern when implementing database systems". As a database administrator, you are expected to explain five security features expected to be included with the design of the database systems. (5marks)
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- b) (i) What is meant by cost/benefit analysis? (2marks)
- (ii) Illustrate its relevance to the System Analyst during systems development life cycle. (4marks)
- c) Examine any four desirable features which should be inherent in an operating system. (4marks)
- d) Examine the contribution of information systems in decision-making or problem solving process. (4 marks)
- e) Outline any three data input devices that are common with our computers. (6 marks)

Question Two

(15Marks)

- (a) "The widespread use of computers in offices has raised major health and safety issues".
- (i) Describe three major health related problems that may result from intensive computer use (3marks)
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- (ii) List four products that may be made available to improve the working conditions of personnel using computers. (4marks)
- (b) Identify and briefly explain four major factors that influence the structure of an information system. (8marks)

Question Three

(15Marks)

- (a) "Computer hardware and software are usually supplied separately. However, the process of evaluation and acquisition should be related to each other as the functioning of each depends on the other".

Required:

- (i) 'Why is the evaluation of computer hardware and software vendors absolutely necessary? (3 marks)
- (ii) When acquiring an in-house computer system, which criteria are considered in deciding between the various vendors, manufacturers or suppliers who have submitted tenders? (4 marks)
- (b) Identify and briefly explain four major factors that make computer system more popular than the manual system in most of the organisations. (8 marks)

Question Four

(15Marks)

- (a) Discuss three capabilities that a Decision Support System should possess. (9 Marks)
- (b) Describe when it is appropriate to use a DSS. (6 Marks)

Question Five

(15 Marks)

- a) Identify and briefly explain five reasons why it is important for an organisation to have a sound Management Information System. (10marks)
- b) Outline five major areas where Expert Systems are widely used. (5marks)