

UNIVERSITY OF SWAZILAND

FACULTY OF COMMERCE DEPARTMENT OF BUSINESS ADMINISTRATION

SUPPLEMENTARY EXAMINATION – JULY 2011

COURSE TITLE : INTRODUCTION TO BUSINESS COMPUTING
COURSE CODE : BA 112 – FULLTIME and IDE
CLASS : DIPLOMA IN COMMERCE
TIME ALLOWED : THREE (3) HOURS

INSTRUCTIONS:

1. THIS PAPER CONSISTS OF SECTIONS (A) AND (B)
2. SECTION (A) IS COMPULSORY.

TOTAL MARKS 40

3. ANSWER ANY TWO (2) QUESTIONS FROM SECTION B.

TOTAL MARKS 60

4. THE TOTAL NUMBER OF QUESTIONS IN THIS PAPER IS FOUR (4)

NOTE: GOOD COMMUNICATION IN ENGLISH AND ORDERLY PRESENTATION AFFECTS THE TOTAL MARKS YOU WILL BE ALLOCATED FOR EACH ATTEMPTED QUESTION

THIS EXAMINATION PAPER SHOULD NOT BE OPENED UNTIL INVIGILATOR HAS GRANTED PERMISSION

SECTION A. – COMPULSORY

The Swazi Government, in the past few years, has been involved in process of creating a national database. Centres were established across the country, where people queued and had their fingerprints taken, photos taken, and other personal particulars given to state officers. In return for providing the State with all this information, the people were given Identity Cards.

A1.

What benefits will the Swazi Government get from undertaking the process of creating a computerised database? Under headings, explain in detail and using relevant examples, only 4 reasons / benefits. Use the Swaziland Government's scenario as an example to explain each reason / benefit. *(20 marks)*

A2.

What would be the disadvantages of having a computerised database for the Swazi Government? Use the scenario that the Swaziland Government faces to clearly explain 3 of these disadvantages. Your disadvantages must be under headings. *(15 marks)*

A3.

Which database model would you recommend for the Swaziland Government and why? *(5 marks)*

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SECTION B. – ANSWER ANY TWO QUESTIONS

Question 2

1. Discuss 2 disadvantages for each of the first two types of programming languages.
(4 marks for each disadvantage = 16 marks total)
2. Discuss 2 major differences between Fourth Generation languages and other languages.
(14 marks)

Question 3

Explain, using examples, the following concepts:

1. Wireless Media *(10 marks)*
2. Full Duplex Transmission *(5 marks)*
3. Canned Software *(10 marks)*
4. Universal Database Systems *(5 marks)*

Question 4

Which processing method is ideal for the following processes? Provide a reason for your choice, using the tabular layout shown below. *(30 marks)*

Processing Method (1 mark)	Reason (4 marks)
1.	
2.	

1. The processing of customer complaints for the technicians to attend to the next day.
2. The purchasing of inventory for Pick 'n Pay.
3. The backing up of school fees paid by parents.
4. The processing of bulk orders in order to get discounts from sellers.
5. The issuing of receipts to customers who pay their bills by cheque.
6. The processing of payments made by car drivers at a toll-gate.