

UNIVERSITY OF SWAZILAND

DEPARTMENT OF BUSINESS ADMINISTRATION

MAIN EXAMINATION PAPER

DECEMBER, 2013

TITLE OF PAPER : INTRODUCTION TO BUSINESS COMPUTING

COURSE CODE : BA 112 FULL TIME

TIME ALLOWED : THREE (3) HOURS

- INSTRUCTIONS:**
- 1. THE NUMBER OF QUESTIONS IN THIS PAPER = SIX (6)**
 - 2. SECTION A IS COMPULSORY.**
 - 3. ANSWER ANY THREE (3) QUESTIONS IN SECTION B**
 - 4. THE MARKS TO BE AWARDED FOR EACH QUESTION ARE INDICATED ALONGSIDE THE QUESTION.**

NOTE: MARKS WILL BE AWARDED FOR GOOD COMMUNICATION IN ENGLISH, AS WELL AS FOR ODERLY AND NEAT PRESENTATION OF WORK. FURTHER MARKS WILL BE AWARDED FOR USE OF RELEVANT EXAMPLESS.

SPECIAL REQUIREMENTS: NONE

THIS PAPER IS NOT TO BE OPENED UNTIL PERMISSION HAS BEEN GRANTED BY THE INVIGILATOR.

SECTION A

Compulsory Question

Write the following in the third normal form

Supplier number, order date, part number, part description, order number, supplier address, unit price, delivery date, order total, quantity, supplier name. 15 marks

What is normalization? 5 marks

What is a primary key? 5 marks

What is a composite key? 5 marks

What is data warehousing? 10 marks

SECTION B

Answer any three

Question 1

- (a) Name and describe the four elements in DBMS 10 marks
- (b) Describe the three different data base structures and the advantages and disadvantages of each 10 marks

Question 2

- (a) What are the major factors to consider when selecting application software? 10 marks
- (b) Define fourth generation languages and list the seven categories of fourth generation tools 10 mark

Question 3

- (a) What are the Principal functions of all telecommunications systems? 10 marks
- (b) What are the reasons for implementing networks? 10 marks

Question 4

- (a) Highlight and explain at least five benefits of networking computers within an organization 10 marks
- (b) Discuss the different types of network topology 10 marks

Question 5

Discuss each of the following

- (a) Twisted pair 5 marks
- (b) Fiber optic 5 marks
- (c) Coaxial cable 5 marks
- (d) Front end processor 5 marks