

BOTSWANA OPEN UNIVERSITY

in collaboration with

ZIMBABWE OPEN UNIVERSITY

BACHELOR OF COMMERCE -Human Resources Management and

Industrial Relations

MANAGEMENT INFORMATION SYSTEMS

MI 222

SESSIONAL EXAMINATION

Marks 100

Duration – 3hrs

Instructions:

1. This examination is based on the material covered in the course module
 2. The assignment consists of **Four** sections: A, B C and D
 3. Answer questions according to instructions given in each section.
 4. Begin each section or answer to a new question on a new page.
 5. Write in grammatically correct English.
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Section A: Multiples choice questions.

[10 Marks]

Choose the correct answer from the alternatives given below.

1, The communications channel is characterised by all of the following except _____.

- A. Transmission Speed ✓
- B. Transmission mode ✓
- C. Switching alternatives ✓
- D. Transmission time <

2. Which of the following hardware devices is not an input device?

- A. Keyboard ✓
- B. Mouse ✓
- C. Projector ✓
- D. Microphone

3. A network topology is _____.

- A. A method by which devices on the network are laid out and connected. ✓
- B. A method to keep the communication connections open unless there are messages.
- C. A method of transmitting data using a microwave link.
- D. None of the above.

4. WAN stands for.

- A. Wrap Area Network.
- B. Wide Area Network.
- C. Wide Array Net
- D. Wired Area Network.

5. Management information systems usually _____.
- A. serve managers interested in weekly, monthly, and yearly results, not day-to-day activities ✓
 - B. provide managers with a generalized computing and telecommunications for changing array of problems
 - C. help managers make decisions that are unique and not easily specified in advance
 - D. serve managers interested in day-to-day activities
6. In computers the number system of 0s and 1s is referred to as _____.
- A. octal
 - B. hexadecimal
 - C. decimal
 - D. binary
7. As used in databases, SQL is an abbreviation for _____.
- A. Synchronous Query Language
 - B. Structured Query Language
 - C. Systematic Query Language
 - D. None of the above
8. A _____ is a description of the logical view of a database.
- A. Schema
 - B. Hierarchical
 - C. Relational
 - D. None of the above
9. EDP means _____.
- A. Electronic Data Processed.
 - B. Electronic Data Processing. ✓
 - C. Electronic Data Projection.
 - D. Electronic Data Predict.

10. In a library database there is an entity Borrower Details. Which one of the following are the most likely attributes?

- A. Accession number, Borrower number and loan date
- B. Borrower number, Borrower status and Borrower loan account
- C. Publisher code, Publisher name
- D. Borrower number, Borrower name and Borrower address.

Section B: True or False questions.

[10 Marks]

State whether the following are True or False.

1. Three of the ways, which can be used to measure the power of a computer, are word-size, clock speed measured in megahertz and number of instructions per unit time measured in millions of instructions per second (MIPS).
2. A typical Intranet is an Extranet that allows the organisation to connect to a wider group, such as organisation customers and suppliers.
3. Wide Area Network (WAN) is an interconnected group of microcomputer or other terminals with a small geographic location such as a single room, office suite, floor, building or campus.
4. When transaction data grows old, it can still have value to the organisation.
5. A communication protocol is a set of rules or procedures for completing a communications systems task.
6. A topology is a method by which devices on the network are laid out and connected.
7. Half Duplex transmission involves the sending of messages only one way.
8. Management Reporting Systems support the organisation's daily activities and maintains majority of the organisation's internal data.
9. Management Reporting Systems support the organisation's daily activities and maintains majority of the organisation's internal data.
10. Technical feasibility involves the initial risk analysis of the possibility of a technical failure to complete or operate the system.

Section C: Short answer questions.

[30 Marks]

Answer all questions from this section.

Question 1

List any four (4) benefits of the database approach.

(4 Marks)

Question 2

Ethics are the principles of right and wrong that can be used by individuals acting as free moral agents to make choices to guide their behaviour. Briefly outline any three (3) areas of ethical concern for information systems management.

(6 Marks)

Question 3

With the aid of clear examples explain the operations of a computer processor.

(10 Marks)

Question 4

Illustrate any five (5) functions of a database management system.

(10 Marks)

Section D: Essay-type questions.

[50 Marks]

Answer any two (2) questions from this section.

Question 1

Critique the significance of information systems in today's business organisations. **(25 Marks)**

Question 2

Describe the major steps of the systems development life cycle methodology. **(25 Marks)**

Question 3

Suppose you are responsible for computerising KFC Restaurants order entering system. Examine the input devices best suited for the waitperson staff and output devices that would best serve the kitchen staff? **(25 Marks)**

END OF EXAMINATION!

SECTION D

Q3