DIPLOMA IN COMPUTER STUDIES

LEVEL 6 EXAMINATIONS

FINAL INTEGRATED SUMMATIVE EXAMINATIONS

SITTING: APRIL 2022

SUBJECT: INFORMATION MANAGEMENT SYSTEM

TIME: THREE (3) HOURS   **TOTAL MARKS   100**

PASS MARK: 50

INSTRUCTIONS

1. Write your examination number and National Registration Card number on the answer Booklet provided. Ensure to append your signature in the space provided on the answer booklet.

2. Write your answer SCRIPT SERIAL NUMBER on the examination register provided and the entry slip.

3. There are SEVEN (7) questions in this paper.

4. Attempt any FIVE (5) questions of your own choice.

5. All questions carry twenty (20) marks.

6. Cell phones and programmable calculators are NOT allowed in the examination room.

DO NOT TURN THIS PAPER UNTIL YOU ARE TOLD TO DO

QUESTION 1

a) Explain four (4) advantages of having an Information system in an organisation.

(8 marks)

b) Draw the management levels, (4 marks)

c) Explain the functions of officers at each level (8 marks)

[Total: 20 marks]

QUESTION 2

Describe the following:

a) Expert System. (4 marks)

b) Artificial Intelligence (4 marks)

c) Decision Support System (DSS) (4 marks)

d) Transaction Processing Systems (TPS) (4 marks)

e) Executive information systems (EIS) (4 marks)

[Total: 20 marks]

QUESTION 3

a) With the use of examples, differentiate between a closed and open system

(8 marks)

b) Explain the following types of decisions:

i) Unstructured decisions (3 marks)

ii) Semi-structured decisions (3 marks)

iii) Structured decisions (3 marks)

c) Define an information system. (3 marks)

[Total: 20 marks]

QUESTION 4

a) Discuss six (6) qualities of good information. (12 marks)

b) Explain four (4) methods that be implemented to secure information in an organisation. (8 marks)

[Total: 20 marks]

QUESTION 5

a) Discuss the concept of competitive advantage. (4 marks)

b) Explain five (5) strategies an organisation can implement to archive competitive advantage. (10 marks)

c) Using one example in each case, Differentiate between traditional and modern advertisement. (6 marks)

[Total: 20 marks]

QUESTION 6

a) Describe an Enterprise Resource Planning (ERP) system (4 marks)

b) Discuss the implementation and use of ERPs in an organisation. (8 marks)

c) With the use of examples, differentiate between centralisation and decentralisation

(8 marks)

[Total: 20 marks]

QUESTION 7

a) Define e-commerce (4 marks)

b) Discuss five (5) e-commerce models (10 marks)

c) Explain three (3) disadvantages of e-commerce (6 marks)

[Total: 20 marks]