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KIRIRI WOMENS' UNIVERSITY OF SCIENCE AND TECHNOLOGY
UNIVERSITY EXAMINATION, 2022/2023 ACADEMIC YEAR
FOR THE DIPLOMA IN BUSINESS INFORMATION TECHNOLOGY
DIT 1008- COMPUTER APPLICATIONS II

Date: 28TH JULY 2022
Time: 2:30PM – 4:30PM

INSTRUCTIONS TO CANDIDATES

ANSWER QUESTION ONE (COMPULSORY) AND ANY OTHER TWO QUESTIONS

QUESTION ONE (30 MARKS)

Read the following excerpt carefully and answer the questions that follow

Accounting plays a vital role in running a business because it helps you track income and expenditures, ensure statutory compliance, and provide investors, management, and government with quantitative financial information which can be used in making business decisions. It is critical to keep your financial records clean and up to date if you want to keep your business afloat that's why IT and finance are integrating to provide sustainability. Your financial records reflect the results of operations as well as the financial position of your small business or corporation. In other words, they help you understand what's going on with your business financially. Not only will clean and up to date records help you keep track of expenses, gross margin, and possible debt, but it will help you compare your current data with the previous accounting records and allocate your budget appropriately.

- a) State and explain Basic Accounting Principles as articulated in computer application ii **(8 Marks)**
- b) Write an Accounting Equation that is usually in financial applications **(2 Marks)**
- c) Discuss the difference between the following terms as used in FA.
 - i) Bookkeeping
 - ii) Transaction Entry system **(4 Marks)**
- d) Discuss what you understand by the word QuickBooks as stipulated Accounting application giving as simple example of a QuickBooks transaction on how it can help to analyze our day to day activity. **(10 Marks)**
- e) Explain Benefits and Challenges of Artificial Intelligence. **(6 Marks)**

QUESTION TWO (20 MARKS)

- a) What is GIS? Discuss TWO types GIS data and explain their examples in each one of them as stated in computer application ii. **(10 Marks)**
- b) Heavy rainfall recently experience in Kenya resulted in flooding along the riverbanks in various parts of the country. Explain five ways that the government could use GIS to manage the disaster. **(10 Marks)**

QUESTION THREE (20 MARKS)

- a) Discuss what is AI? Discuss different types of AI stating their composition. **(10 Marks)**
- b) State and explain accounting principles that provide the bases in preparing, presenting and interpreting general-purpose financial statements. **(10 Marks)**

QUESTION FOUR (20 MARKS)

- a) What is computer-aided design? Giving its importance. **(8 Marks)**
- b) Explain the most common specialization areas that AutoCAD are mostly applicable. **(10 Marks)**

QUESTION FIVE (20 MARKS)

- a) Understanding the chart of accounts isn't complicated. Discuss six standard account categories used for. tracking the financial activity of your business. **(10 Marks)**
- b) Using a well labeled diagram state and explain Types of 3D Models. **(10 Marks)**