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KIRIRI WOMENS' UNIVERSITY OF SCIENCE AND TECHNOLOGY
UNIVERSITY EXAMINATION, 2023/2024 ACADEMIC YEAR
FOR THE CERTIFICATE IN INFORMATION TECHNOLOGY
CIT 1008 – COMPUTER APPLICATIONS

Date: 13TH APRIL 2023
Time: 11:30AM – 1:30PM

INSTRUCTIONS TO CANDIDATES

ANSWER QUESTION ONE (COMPULSORY) AND ANY OTHER TWO QUESTIONS

QUESTION ONE (30 MARKS)

- a) Define the term accounting (2 Marks)
- b) Differentiate between the following terms
- i) Accounts payable and account receivable (4 Marks)
- ii) Sales order and a purchase (4 Marks)
- c) Differentiate between bookkeeping and accounting (4 Marks)
- d) Explain the advantages of CAD system. (4 Marks)
- e) Explain the component of natural language processing (NLP) (4 Marks)
- f) Explain the reasons for increased use of robots in manufacturing plants (4 Marks)
- g) Explain types of Technical Drawing. (4 Marks)
- h) Differentiate between Robot system and AI programs. (4 Marks)

QUESTION TWO (20 MARKS)

- a) Discuss the basic accounting principles. (8 Marks)
- b) Discuss the various methods of technical drawing. (4 Marks)
- c) Explain the various accounting process (8 Marks)

QUESTION THREE (20 MARKS)

- a) Discuss the various data model that exist for the storage and management of attribute data. (10 Marks)
- b) Discuss at least four basic procedures for inputting spatial data into GIS. (8 Marks)
- c) Highlight the advantages of artificial intelligence (2 Marks)

QUESTION FOUR: (20 MARKS)

- a) Explain each of the following terms as used in expert systems: (4 Marks)
- i) Forward chaining
- ii) Prior knowledge
- b) Distinguish between spatial and attribute data as used in GIS, giving an example in each case (5 Marks)
- c) Heavy rainfall recently experienced in Kenya resulted in flooding along the riverbanks in various parts of the country. Explain three ways that the government could use GIS to manage the disaster (6 Marks)

- d) Information technology has made it convenient for bank customers to access services.
Explain three ways that IT has made this possible. (5 Marks)

QUESTION FIVE (20 MARKS)

- a) Discuss various elements of accounting. (10 Marks)
- b) Highlight the importance of computer aided design (4 Marks)
- c) What is Geographical Information System (GIS) (2 Marks)
- d) Briefly explain what is fuzzy logic (4 Marks)