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KIRIRI WOMEN'S UNIVERSITY OF SCIENCE AND TECHNOLOGY
UNIVERSITY EXAMINATION, 2023/2024 ACADEMIC YEAR
FIRST YEAR, SECOND SEMESTER EXAMINATION
FOR THE DIPLOMA IN INFORMATION COMMUNICATION TECHNOLOGY
DIT 1008 – COMPUTER APPLICATIONS II

Date: 14TH APRIL 2022
Time: 2:30PM – 4:30PM

INSTRUCTIONS TO CANDIDATES

ANSWER QUESTION ONE (COMPULSORY) AND ANY OTHER TWO QUESTIONS

QUESTION ONE (30 MARKS)

- a) Define the following terms;
- i) Computer Aided Design (3 Marks)
 - ii) Design Analysis (3 Marks)
 - iii) Artificial Intelligence (3 Marks)
 - iv) Geometric Modelling (3 Marks)
 - v) Workbook (3 Marks)
- b) List 4 application areas of Computer Aided Design (4 marks)
- c) List 3 roles of a project manager in an organization (2 Marks)
- d) Queries in MS Access can be used to perform four basic operations. Explain them. (4 Marks)
- e) List 4 disadvantages of using Artificial Intelligence (4 Marks)

QUESTION TWO (20 MARKS)

- a) Mr Mutiso is a cost accountant in Nomads Enterprises. Discuss six benefits that he can obtain by use of a chart as derived in MS Excel. (6 Marks)
- b) Distinguish between formulas and function as applied in MS Excel. (4 Marks)
- c) Describe the analysis step of the design process in the CAD. (10 Marks)

QUESTION THREE (20 MARKS)

- a) Explain five functions of Geometric Modelling as used in the CAD system. (5 Marks)
- b) A formula assigns values to a cell or range of cells, and typically has the format “=expression” where the expression consists various aspects discuss five of them providing examples. (6 Marks)
- c) Describe the mean of the following feedback generated in MS Excel.
- i) ##### (3 Marks)
 - ii) #Value! (3 Marks)
 - iii) Ref# (3 Marks)

QUESTION FOUR (20 MARKS)

- a) Explain **four** disadvantages of traditional manual filing systems. (4 Marks)
- b) Differentiate between arithmetic operator and logical operators (4 Marks)
- c) list 4 uses of CRT in Computer Aided Design (4 Marks)
- d) List 4 uses of ICG Computer Aided Design (4 Marks)
- e) Describe the role of Numerical control in Computer Aided Design (4 Marks)

QUESTION FIVE (20 MARKS)

- a) Assume that your company has appointed you as the cost accountant. Explain how you would ensure that the company logo is included on any annual financial report. (6 Marks)
- b) “If” is a logical function that returns a specified value if a condition is evaluated and found to be true and another value if evaluated otherwise. As an accountant after analyzing your sales in four branches in the first quarter of a given year illustrate how you can use the “if” function to generate appropriate remarks for each branch given the following conditions. (10 Marks)

Average monthly sales	Remark
Below 1500	Poor
1501 - 2500	Average
2501 - 3500	Good
3501 - 4500	V Good
Above 4500	Excellent

- c) Describe 5 functions of Geometric Modeling as used in computer aided design. (5 Marks)