



Kasarani Campus

Off Thika Road

Tel. 2042692 / 3

P. O. Box 49274, 00100

NAIROBI

KIRIRI WOMENS' UNIVERSITY OF SCIENCE AND TECHNOLOGY
UNIVERSITY EXAMINATION, 2022/2023 ACADEMIC YEAR
END OF SEMESESTER EXAMINATION
FOR DIPLOMA IN INFORMATION COMMUNICATION TECHNOLOGY
DIT 1005- SYSTEMS ANALYSIS & DESIGN

Date:

Time:

INSTRUCTIONS TO CANDIDATES

ANSWER QUESTION(COMPULSORY) AND ANY OTHER TWO QUESTION

QUESTION ONE (30 MARKS)

- a) What do you understand by the term Information System (2 mark)
- b) Distinguish between system analysis and system design (4 marks)
- c) A system must have 3 main constrain. Discuss Constraints of a System (4marks)
- d) Outline four factors you use to determine the success of an information system (4 marks)
- e) System analyst usually is confronted with problems during system analysis. Identify any three of such problems (6 marks)
- f) Briefly discuss the levels of management in an organization and give characteristics of the information requirements of each level (10 marks)

QUESTION TWO (20 MARKS)

- a) What is SDLC? (2marks)
- b) Describe the four principal stages in this process (10 marks)
- c) In detail discuss Attributes of a Systems Analyst (8marks)

QUESTION THREE (20 MARKS)

- a) What is system changeover? Why is it important (4 marks)
- b) State and explain any three methods that can be employed during system changeover (6 marks)
- c) State and discuss properties of a system as used in system analysis and design. (10marks)

QUESTION FOUR (20 MARKS)

- a) State and Discuss Stages of System Testing (8 marks)
- b) In detailed discuss Types of Testing as stipulated in system quality assurance (6marks)
- c) System analysis seeks to establish and justify a project undertaking on the basis of feasibility study components. Expound on such feasibility study components (6 marks)

QUESTION FIVE (20 MARKS)

- a) Discuss training methods as used in system implementations (5 marks)
- b) Briefly explain how the use of prototyping may lead to poor system documentation (5 marks)
- c) Discuss Features of Object-Oriented System (10 marks)