



COLLEGE OF BUSINESS, PEACE, LEADERSHIP AND GOVERNANCE

NCIS 401: SYSTEM ANALYSIS AND DESIGN

END OF FIRST SEMESTER EXAMINATIONS

NOVEMBER 2022

LECTURER: MRS L. TEMBANI-FUNDISI

DURATION: 3 HOURS

INSTRUCTIONS

Answer ANY 4 (four) Questions

All question carries equal marks (25)

Start each answer on a fresh page

Logical answering, smartness and use of examples will earn more marks

Question One

- a) Define the following terms
 - i. Project sponsor
 - ii. System analyst
 - iii. System design
 - iv. System boundary(8)
- b) Explain in detail these 2 approaches to systems design
 - i. structured approach
 - ii. object-oriented approach(6)
- c) Discuss in detail the System Development Life Cycle (SDLC) and its flaws when designing any project of your choice (use detailed examples)(11)

Question Two

- a) With the aid of a diagram illustrate how data-flow diagrams can be used as tools to support systems analysis. ?(5)
- b) Explain in detail what CASE tools are , outline its benefits and limitations(10)
- c) Explain how the following terms contribute to system development:
 - i) User Acceptance Testing(5)
 - ii) System Maintenance(5)

Question Three

- a) What is the main objective of the Feasibility Study?(4)
- b) List and briefly describe the four areas/types of feasibility.(8)
- c) What are the major issues that should be raised when the system designer design the system process?(5)
- d) Explain in detail the steps involved in feasibility analysis?(8)

Question Four

- a) Identify the stages in SSADM and describe their contents(12)
- b) Discuss the benefits and limitations of employing SSADM(13)

Question Five

Discuss how commercial project management software packages can be used to assist in representing and managing project schedules (25)

END OF EXAMINATION