



NATIONAL OPEN UNIVERSITY OF NIGERIA
14/16, Ahmadu Bello Way, Victoria Island, Lagos.

SCHOOL OF SCIENCE & TECHNOLOGY

Course Code: CIT 851

Time: 3hrs

Course Title: Advanced Systems Analysis and Design

Course Credit

Unit: 3

Instruction: Answer any **five (5)** questions.

- 1a. In the event that there is a loss of data or voice communication in an organisation, how can this be recovered? (8 marks)
- 1b. Explain the concept of 'IDEA' within the context of systems analysis and design (6 marks)

[Total = 14 marks]

- 2a. State 5 possible solutions you would proffer in resolving issues regarding legacy systems (5 marks)
- 2b. List and explain 3 fields of audit coverage for an application being reviewed. (9 marks)

[Total = 14 marks]

- 3a. Give a concise explanation of the relevance of site visitation by Systems Analysts prior to the system development. (6 marks)
- 3b. State 4 common classes of coupling. (8 marks)

[Total = 14 marks]

- 4a. Write down 3 knowledge requirements for an Information System Auditor. (6 marks)
- 4b. Mention 4 goals that are desirable in output design. (8 marks)

[Total = 14 marks]

- 5a. Write short notes on the following:
- | | | |
|-----------------|------------------|-----|
| Abstraction |) | |
| Prototype |) (3 marks each, | (12 |
| marks) | | |
| Questionnaire |) | |
| Top Down Design |) | |

- 5b. Give any 2 disadvantages of Joint Application Development. (2 marks)

[Total = 14 marks]

- 6a. Give a concise description of the concept of a 'System Development Process Scheduling'. (4 marks)
- 6b. What are the criteria for designing attractive forms? (10 marks)

[Total = 14 marks]

7a. Describe 5 layers of a distributed system architecture.
(10 marks)

7b. Generally, Interviews are important in systems analysis. Give any 4 benefits of interviews. (4 marks)

[Total = 14 marks]