



NATIONAL OPEN UNIVERSITY OF NIGERIA
14/16 AHMADU BELLO WAY, VICTORIA ISLAND, LAGOS
SCHOOL OF SCIENCE AND TECHNOLOGY
JUNE/JULY EXAMINATION

COURSE CODE: CIT851

COURSE TITLE: Advanced Systems Analysis and Design (3 units)

TIME ALLOWED: 3hrs

INSTRUCTION: Answer any five (5) questions

QUESTIONS

1a. What are the key tasks of the structured systems analysis approach? (6 marks)

1b. State the guidelines for a Systems Analyst who acts as a group facilitator. (8 marks)

[Total = 14 marks]

2a. How do Systems Analysts gather information about an existing system?(10 marks)

2b. Explain the concept of a 'System Development Process Scheduling'.

(4 marks)

[Total = 14 marks]

3a. Write short notes on the following:

Physical Design

)

Analysis

)

(2 marks each, Total=10)

Logical Design

)

Project Initiation and Planning

)

Prototyping

)

3b. Give four reasons why a data dictionary is important.

(4 marks)

[Total = 14 marks]

4a. Identify the criteria for designing attractive forms.

(10 marks)

4b. Define the term 'Decision Support Systems'.

(4 marks)

[Total = 14 marks]

5a. Describe 5 layers of a distributed system architecture.

(10 marks)

5b. List any 4 benefits of interviews

(4 marks)

[Total = 14 marks]

6a. State and briefly explain 4 aspects of feasibility analysis.

(12 marks)

6b. How long does feasibility study last?

(2 marks)

[Total = 14 marks]

7a. Why is it desirable for Systems Analysts to visit sites of the organisation for which a system is being developed? (6 marks)

7b. List and briefly explain any 4 categories of coupling.
(8 marks)

[Total = 14 marks]