



**NATIONAL OPEN UNIVERSITY OF NIGERIA
14-16 AHMADU BELLO WAY, VICTORIA ISLAND LAGOS
MARCH/APRIL 2016 EXAMINATION**

SCHOOL OF SCIENCE AND TECHNOLOGY

COURSE CODE: CIT851 **COURSE UNIT:** 3
COURSE TITLE: Advanced Systems Analysis and Design

TIME ALLOWED: 3 Hours
INSTRUCTION: Answer any five (5) questions.

1a. Assuming you were hired as a Systems Analyst in a software development firm, explain why you would either recommend or not recommend training of end users to operate a newly developed system. (5 marks)

1b. Write down any 3 tasks that can be accomplished by means of CASE Tools. (6 marks)

1c. State any 3 ways in which training can be imparted to an end user. (3 marks)

[Total = 14 marks]

2a. State and explain how do Systems Analysts gather information about an existing system? (10 marks)

2b. List and explain two common forms of Interviews. (4 marks)

[Total = 14 marks]

3a. State and discuss five (5) rules that must be observed by a Systems Analyst while observing a site. (10 marks)

3b. List any 4 categories of coupling. (4 marks)

[Total = 14 marks]

4a. Explain the steps involved in the process of documentation in Systems Analysis. (8 marks)

4b. What are the main tasks involved in the structured systems analysis approach? (6 marks)

[Total = 14 marks]

5a. List and explain the criteria for designing attractive forms. (12 marks)

5b. Define the term 'Decision Support Systems'. (2 marks)

[Total = 14 marks]

6a. What is a system? Briefly explain the features of a system. (10 marks)

6b. Identify and describe any 2 layers of a distributed system architecture. (4 marks)

[Total = 14 marks]

7a. Analyse the guidelines for a Systems Analyst who acts as a group facilitator. (6 marks)

7b. Outline the key phases of system development life cycle and explain any one of the phases. (8 marks)

[Total = 14 marks]