NATIONAL OPEN UNIVERSITY OF NIGERIA
14-16 AHMADU BELLO WAY, VICTORIA ISLAND LAGOS
SCHOOL OF SCIENCE AND TECHNOLOGY
MAY/JUNE 2012 EXAMINATION

CIT 751 Advanced Systems Analysis and Design
   Time Allowed: 3hrs

Instruction: Answer any five (5) questions.

1a.Identify four (4) aspects of feasibility analysis.   (8 marks)

1b.How long does feasibility study last?   (2 marks)

1c.Outline five (5) rules that must be observed by a Systems Analyst while observing a
    site.   (10 marks)

2a. How do Systems Analysts gather information about an existing
    system?
                                          (10 marks)
2b. List 2 prime classes of Interviews.   (4 marks)

2c. Explain the concept of a 'System Development Process
    Scheduling'.
                                          (6 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)

3c. Enumerate the steps involved in the process of documentation. (6 marks)

4a. List and explain the criteria for designing attractive forms. (15 marks)

4b. Define the term 'Decision Support Systems'. (5 marks)

5a. Give a brief explanation of the characteristics of a system. (10 marks)

5b. Identify and describe the five layers of a distributed system architecture. (10 marks)

6a. What are the main tasks of the structured systems analysis approach? (4 marks)

6b. State the guidelines for a Systems Analyst who acts as a group facilitator. (8 marks)

6c. Outline the phases of a system development life cycle. (7 marks)

6d. What are the components of a system design? (1 mark)

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

7b. Define the term 'Modularity'.   (6 marks)

 7c. List any 4 categories of coupling.   (8 marks)