



**NATIONAL OPEN UNIVERSITY OF NIGERIA
14-16 AHMADU BELLO WAY, VICTORIA ISLAND LAGOS
SEPTEMBER/OCTOBER 2015 EXAMINATION**

SCHOOL OF SCIENCE AND TECHNOLOGY

COURSE CODE: CIT721

COUSE TITLE: Information Systems Design and programming

Instruction: Attempt any five (5) questions

Time: 21/2hrs

Question 1

- a. Enumerate the Transformation Process. (3 marks)
- b. Write briefly on the Transformation Process. (3 marks)
- c. Why are System Projects initiated? (5 marks)
- d. Define Environment (3 marks)

Question 2

- a) Enumerate any six characteristics of a good systems analyst? (4 marks)
- b) Write brief notes on any four(4) (2marks each)
- c) Boundaries (2 marks)

Question 3

- a. Briefly discuss the definition and functions of the following roles:
 - i. Business analyst (4 marks)
 - ii. Application analyst (3 marks)
 - iii. Computer scientists (3 marks).
- b. In order of execution, list (without explanation) the 8 phases of the SDLC. (4 marks)

Question 4

- i) Enumerate five (5) Databases. (5 marks)
- ii) Write briefly on the five databases listed in question 4(i). (5 marks)
- iii) List four (4) primary objectives of Structured Techniques (4 marks)

Question 5

- (a) Define;
 - i) Management Information System (MIS). (3.5 marks)
 - ii) Decision Support System (DSS). (3.5 marks)
- (b) Contrast MIS and DSS. (7 marks)

Question 6

- (a) What is a Model? (1 marks)
- (b) List four Models (4 marks)
- (c)Write briefly on any 3 models (9 marks)

Question 7

- a. Briefly explain the 3 levels of organizational information. (9 marks)
- b. Define the following terms:
 - i. Transaction Processing System (1 mark)
 - ii. Office Automation System (1 mark)
 - iii. Expert System (1 mark)
- b. State 4 primary objectives of structured techniques in information system development (2 marks).