



NATIONAL OPEN UNIVERSITY OF NIGERIA

University Village, Plot 91, Cadastral Zone,
Nnamdi Azikiwe Expressway, Jabi, Abuja

SCHOOL OF SCIENCE AND TECHNOLOGY

Course Code: CIT721

Time: 3 hrs

Course Title: Information Systems Design and programming

Course Credit Unit: 3

Instruction: Answer Question 1 (22 marks) and four questions (12 marks each)

1(a) Systems projects are initiated for different reasons. Discuss the five important reasons (10 marks)

1(b) Describe the three Transformation Process (6 marks)

1(c) Identify six characteristics of a good systems analyst (6 marks)

2. Briefly describe the functions and roles of the following professions

(a) Application Analyst (4 marks)

(b) Business Analyst (4 marks)

(c) Computer Scientists (4 marks)

3 Describe the following terms

(a) Decision Support System (4 marks)

(b) Management Information System (4 marks)

(c) Office Automation System (4 marks)

4(a) Define a Model and list three different types (4 marks)

4(b) Describe the three levels of organizational information. (6 marks)

4(c) Explain the concept of Expert System (2 marks)

5(a) State four main objectives of structured techniques in information system development (4 marks).

5(b) Compare and contrast Management Information System and Decision Support System

(4 marks)

- 5(c) Distinguish between information system and information technology.(4 marks)
- 6 (a) Describe four factors that ensure the good quality of information (4 marks)
- 6(b) Explain the objectives of an information system in an organization (4 marks)
- 6(c) Classify major categories of information systems.(4 marks)
- 7(a) Describe the components of a computerized information system (4 marks)
- 7(b) List four benefits of a good Information System (4 marks)
- 7(c) Distinguish between systems thinking and traditional forms of analysis. (4 marks)