NATIONAL OPEN UNVERSITY OF NIGERIA
University Village, 91 Cadastral Zone, Nnamdi Azikiwe Express Way, Jabi Abuja

Course Code: CIT721   *Time:* 21/2 hrs
Course Title: Information Systems Design and programming
Course Credit Unit: 3
Instruction: Attempt Question one and other four Questions

QUESTIONS 1

a. Elucidate on DSS (3 marks).

b. Information system are beneficial to organizational information; list 5 of such benefits (5 marks)

c. Explain briefly the key features of the monopolist approach to management of SDLC (4 marks).

d. State any 5 stages of data processing system growth (5 marks).

e. Define the term "Risk identification" and state 4 categories of risks to information systems projects. (5 marks)

QUESTIONS 2

a. Briefly explain the 3 levels of organizational information. (6 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 (3 marks).

QUESTIONS 3

a. Complete the following table: (1.5marks each = 6 marks)

Step	People involved	Brief descriptions
Problem definition		
Analysis and design		
Testing and debugging		
Implementation		

b. List and explain 4 benefits of RAD. (6 marks)

QUESTIONS 4

a. Briefly discuss the definition and functions of the following roles:

    i. Business analyst (3 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. (3 marks)

QUESTIONS 5

a. Briefly explain MIS. (3 marks)
b. State and briefly explain the 5 elements of a usable MIS system. (7 marks)
c. List 2 pieces of information that should be contained in an MIS system user manual.   (2 marks)

QUESTIONS 6

a. State 3 reasons for the failure of the monopolist approach to management of SDLC. (3 marks)

b. Explain briefly the laissez-faire approach to management of SDLC stating its potential pitfalls (4 marks)
c. Explain briefly information-center approach to management of SDLC stating reasons for its potential demise in organizations (5 marks)