NATIONAL OPEN UNIVERSITY OF NIGERIA
University Village, 91 Cadastral Zone, NnamdiAzikwe Expressway, Jabi, Abuja
FACULTY OF SCIENCES
April, 2019 Examinations

COURSE CODE: CIT 721
COURSE TITLE: INFORMATION SYSTEM DESIGN AND PROGRAMMING
CREDIT: 3 Units
TIME ALLOWED: 2½ Hours
INSTRUCTION: Answer Question 1 and any other FOUR (4) Questions

1a. Briefly explain the two (2) measures of system performance. (3 marks)
b. Explain each of the following:
    (i) Closed system. (2 marks)
    (ii)Open system. (2 marks)
c. Explain the three levels of information within an organization. (6 marks)
d. State the common problems associated with poor control of end-user computing (3½ marks)
e. List the stages associated with System Development Life Cycle (SDLC). (3 marks)
f. List the five factors that have been the main contributors to the rapid expansion of end-user computing (2½ marks)

2a. Explain the system theory ideas. (4 marks)
b. Describe the recommended approach to system analysis. (4 marks)
c. Enumerate the four reasons for the failure of the monopolist approach to management of SDLC. (4 marks)

3a. Discuss the qualities of good information. (9 marks)
b. List the six (6) stages of data processing system (3 marks)

4a. Explain the three (3) types of models (6 marks)
b. What are the two analysis done under Cost-Benefit analysis. (6 marks)

5a. State any four (4) reasons why system projects are initiated. (6 marks)
b. Two (2) types of flowcharts exists with respect to software development, Describe them (6 marks)

6a. List any four (4) tools used by computer programmers and system analyst in developing computer programs. (4 marks)
b. Define the term "Risk" (2 marks)
c. What are the categories of risk to information system projects? (6 marks)