



NATIONAL OPEN UNIVERSITY OF NIGERIA
PLOT 91, CADASTRAL ZONE, NNAMDI AZIKIWE EXPRESSWAY, JABI-ABUJA
FACULTY OF COMPUTING
DEPARTMENT OF COMPUTER SCIENCE
2025_2 EXAMINATIONS

COURSE CODE: CIT 721

COURSE TITLE: Information Systems Design and Programming

CREDIT: 3 Units

TIME ALLOWED: 3 Hours

INSTRUCTION: Answer Question One (1) and any other Three (3)

QUESTION 1

- a. (i) What is the required process expected of a system analyst when projects are formalized? **(2marks)**
(ii). Identify four most important reasons for system projects **(4 marks)**
- b. Enumerate any five (5) criteria required of a system analyst to comfortably evaluate system requirements **(5 marks)**
- c. Describe briefly the role of project planning as a category of system development life cycle **(4 marks)**
- d. Identify and explain the three levels of organizational management **(6 marks)**
- e. Explain the term “software crisis” and outline any two challenges associated with it **(4marks)**

Question 2

- a. (i) Differentiate between System thinking approach and traditional forms of analysis **(4marks)**
(ii). Identify three example valuable areas of system thinking **(2 marks)**
- b. Outline and explain the changing role of system analysts **(9 marks)**

Question 3

- a. (i) Explain the reasons why end-user computing is not being managed properly **(6marks)**
(ii). Outline any four concerns associated with little control over of end-user computing **(4marks)**
- b. Many of the software crisis came as a result of decrease in hardware costs which has occurred over the years. Expatiate **(5marks)**

Question 4

- a. Write short note on data processing system (DSP) - **(6 marks)**
- b. Identify the different types of models as studied in this course and describe any two **(9 marks)**

Question 5

- a. Enumerate the usefulness and procedures for system investigation **(6marks)**
- b. Identify any nine (9) major external sources of Data collection **(9 marks)**

Question 6

- a. Describe briefly the following **(6 marks)**
 - (i) Organizational Purpose (2marks)
 - (ii) Organization Culture (2marks)
 - (iii) Organization Structure (2marks)
- b. (i) Identify and explain any three (3) types of Organization structure **(6 marks)**
(ii) What is CBA and explain its purpose **(3marks)**