NATIONAL OPEN UNVERSITY OF NIGERIA
SCHOOL OF SCIENCE AND TECHNOLOGY

CIT621: Information Systems Design and programming

Instruction: Attempt any five (5) questions

Time: 3hrs

Question 1

i)

    a) Enumerate the Transformation Process. **(3 marks)**

    b) Write briefly on the Transformation Process.(**(8 marks)**

ii)   Define the following;

    c) Environment **(3 marks)**

    d) Boundaries **(3 marks)**

    e) Sub-System. **(3 marks)**

Total = 20 marks

Question 2

    i)

        a) Enumerate any six characteristics of a good systems analyst? **(6 marks)**

        b) Write brief notes on any four(4) (**2.5 marks each**)

    ii)   List four (4) primary objectives of Structured Techniques **(4 marks)**

Total = 20 marks

Question 3

Why are System Projects initiated?

Total = 20 marks

Question 4

    i)   Enumerate five (5) Databases. **(5 marks)**

    ii)   Write briefly on the five databases listed in question 4(i). **(15 marks)**

Total = 20 marks

Question 5

    (i)   Define;
        a) Management Information System (**MIS**). (**5 marks**)

        b) Decision Support System (**DSS**). (**5 marks**)

    (ii)   Contrast MIS and DSS. (**10 marks**)

Total = 20 marks

Question 6

    (i)   What is a Model? (**1 marks**)

    (ii)   List four Models.(**4 marks**)

    (iii)   Write briefly on any 3 models (**15 marks**)

                                    Total = 20 marks

Question 7

The use of a system development life cycle (SDLC) is regarded as a proper, disciplined approach to the analysis and design of traditional computer applications.

Enumerate eight-phase processes of how SDLC work.

                                      (**20 marks**)