CIT432 Software Engineering 2
TIME ALLOWED: 3HRS

INSTRUCTIONS: Answer any five (5) Questions

1a. Define Computer Software and Software Engineering in your own words (6 marks)
1b. List and explain any three reasons why it is necessary to study Software Engineering.
(9 marks)
1c. List five (5) relationships between a program and a software? (5 marks)

2a . Explain the relationship between the system software and the application
    Software. (6 marks)
 2 b. Explain the following: (i) the low level language (ii) High level languages.(8 marks)
 2c. Mention six (6) basic features of a Word Processor? (6 marks)

  3a What is a Prototype? List two (2) advantages and two (2) disadvantages of a Prototype
(6 marks)
  3b. List and explain any five reasons for articulating the Software Development
       Model (10 marks)

  3c List any four (4) Software Engineering models you know.(4 marks)

  4a . Describe Waterfall Model.(6 marks)
  4b Outline any three strengths of the Waterfall Model.(9 marks)
  4c What are the major risks in using the Waterfall Model? (5 marks)

  5 (a) Explain what is meant by Software Conversion? (6 marks)
  5(b) List and Explain three (3) different types of Software Conversion giving vivid example(s)
   on each of the conversion type. (12 marks)
  5c. Where there are no Standard, what happens? (2 marks)

  6a. What do you understand by Feasibility study? List and Explain the three basic aspect of the Feasibility Study (8 marks)
  6b. List any four advantages of Interview Method of data collection (8 marks)
  6c. List four (4) examples of existing document in data collection.(4 marks)

7a. Write short note on each of the following:
  (i)   Brainstorming (3 marks)
  (ii)   Critical path (3 marks)

7b. Draw and label the Structured Systems Analysis and Design Methodology (SSADM) Process Model (8 marks)

7c. What is the full meaning of the following acronyms

  (i)   BCWS
  (ii)   BCWP
  (iii)   ACWP
  (iv)   BAC
  (v)   EAC
  (vi)   BCWP

  (6 marks)