



NATIONAL OPEN UNIVERSITY OF NIGERIA
14-16 AHMADU BELLO WAY, VICTORIA ISLAND LAGOS
MARCH/APRIL 2016 EXAMINATION

SCHOOL OF SCIENCE AND TECHNOLOGY

COURSE CODE: CIT333
COURSE TITLE: Software Engineering 1

TIME ALLOWED: 3 Hours
INSTRUCTION: Answer any five (5) questions.

- 1a. Explain system software with at least two examples (2marks)
- 1b. Outline 3 merits and 3 demerits of spiral life cycle (6 marks)
- 1c. List out six(6) design guidelines (6 marks)

- 2a. What is Modularity? (2 marks)
- 2b. With the aid of a diagram clearly explain incremental model (5 marks)
- 2c. Write the five advantages and two disadvantages of Incremental model (7 marks)

- 3a. Explain the 3 steps in the requirement analysis process (6 marks)
- 3b. Outline and explain the four(4) design specification models (8 marks)

- 4a. Explain the three basic approaches of designing modular program (6 marks)
- 4b. Mention four(4) criteria for using modular design (8 marks)

- 5a. Outline five(5) general guidelines for writing pseudo code (10 marks)
- 5b. List any four(4) types of CASE tools (4 marks)

- 6a. Mention the three(3) attribute of a good module (3 marks)
- 6b. Outline the seven (7) ways in which software crises can be manifested(7 marks)
- 6c. Outline with explanation the two categories of requirements (4 marks)

- 7a. Briefly explain software crisis (3 marks)
- 7b. What are the problems faced in requirements elicitation (5 marks)
- 7c. Outline the six(6) disadvantages of waterfall life cycle (6 marks)

