



NATIONAL OPEN UNIVERSITY OF NIGERIA
14-16 AHMADU BELLO WAY, VICTORIA ISLAND LAGOS
SEPTEMBER/OCTOBER 2015 EXAMINATION
SCHOOL OF SCIENCE AND TECHNOLOGY

COURSE CODE: CIT 333

COURSE TITLE: Software Engineering 1

TIME ALLOWED: 3 Hours

INSTRUCTION: Answer any five (5) questions.

- 1a. Explain application software with six (6) examples (4 marks)
- 1b. Outline and clearly explain any five (5) sub-disciplines of Software engineering (10 marks)

- 2a. Explain the four (4) software engineering goals (8 marks)
- 2b. Outline any six(6) functions of software engineer (6 marks)

- 3a. Mention four(4) advantages and two(2) disadvantages of incremental model (6 marks)
- 3b. Enumerate the four(4) methods used to test non-functional aspects of a software (8 marks)

- 4a. Briefly explain software crisis (3 marks)
- 4b. Outline the seven (7) ways in which software crises can be manifested(7 marks)
- 4c. Outline with explanation the two categories of requirements (4 marks)

- 5a. Outline and explain any four(4) of the fundamental software design concepts (8 marks)
- 5b. Outline the six(6) disadvantages of waterfall life cycle (6 marks)

- 6a. What are the problems faced in requirements elicitation (5 marks)
- 6b. Outline the seven(7) merits of top-down programming (7 marks)
- 6c. Mention any two(2) of the advantages of waterfall life cycle (2 marks)

- 7a. List and clearly explain the five(5) benefits of modular design (10 marks)
- 7b. Clearly elaborate on critical error and non-critical error (4 marks)