



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

SCHOOL OF SCIENCE AND TECHNOLOGY

COURSE CODE: CIT432
COURSE TITLE: Software Engineering 2

TIME ALLOWED: 2 ½ Hours

INSTRUCTION: Answer any four (4) questions.

- 1a. Explain the four (4) characteristics of a software (8 marks)
- 1b. Mention the four(4) reasons for articulating software life cycle model (8 marks)
- 1c. What is computer software? (1.5 marks)
- 2a. Outline three(3) advantages and three(3) disadvantages of waterfall model (6 marks)
- 2b. Outline five(5) suggestions of a well-engineered software (5.5 marks)
- 2c. Explain three(3) types of feasibility study (6 marks)
- 3a. Present a diagram showing the phases of Build-and-fix model (4 marks)
- 3b. Outline three (3) advantages and four(4) disadvantages of spiral model (7.5 marks)
- 3c. Outline six(6) guidelines that help develop observation skills (6 marks)
- 4a. Mention five (5) advantages and three(3) disadvantages of rapid prototyping (8 marks)
- 4b. Explain the four(4) types of conversion (8 marks)
- 4c. Mention two(2) example of application software (1.5 marks)
- 5a. Outline four(4) advantages and three (3) disadvantages of a questionnaire (7 marks)
- 5b. Mention three(3) advantages and disadvantages of Observation in data gathering (6 marks)
- 5c. write the four (4) reasons for software errors (4.5 marks)

- 6a. What are the four(4) goals of software requirement specification (8 marks)
- 6b. Outline 8 basic facts every programmer must consider while writing codes(8 marks)
- 6c. List any three (3) types of application software (1.5 marks)