



NATIONAL OPEN UNIVERSITY OF NIGERIA
14/16 AHMADU BELLO WAY, VICTORIA ISLAND, LAGOS
SCHOOL OF SCIENCE AND TECHNOLOGY
MARCH/APRIL 2014 EXAMINATION

COURSE CODE: CIT831

COURSE TITLE: SOFTWARE ENGINEERING AND METHODOLOGIES

TIME ALLOWED: 3HOURS

INSTRUCTION: ANSWER ANY FIVE (5) QUESTIONS. EACH QUESTION CARRIES 14 MARKS

- 1a. Describe Software Engineering Methodology (5 Marks)
- 1b. List the attributes of a good software. (5 Marks)
- 1c. List the software processes (4 Marks)

- 2a. What is software process? (5 Marks)
- 2b. What is software model? (5 Marks)
- 2c. List the structured process of software development (4 Marks)

- 3a. List the waterfall model phases (5 Marks)
- 3b. What is software specification? (5 Marks)
- 3c. Give three (3) examples of functional requirements? (4 Marks)

- 4a. Explain what a software requirement means? (5 Marks)
- 4b. List and explain the different types of software requirements (5 Marks)
- 4c. What are the guidelines for writing software requirements? (4 Marks)

- 5a. What is a software requirement document (6Marks)
- 5b. There are a number of questions that should be asked in order to arrive at a decision that span all the design process. List eight (8) of these questions? (8 Marks)

- 6a. Define feasibility Studies and list what feasibility studies checks (5 Marks)

- 7a. List and explain three (3) types of viewpoints (6 Marks)
- 7b. Describe Architectural design (5 Marks)
- 7c. What is a Sub-System? (2 Marks)