



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

Course Code: CIT703

Course Title: Information Technology and Software Development

Course Unit: 3

Time Allowed: 3 Hours

Instruction: Answer Any Five Questions

- 1a. Explain what is meant by software process.
5 marks
- b. State the purpose of software process.
4 marks
- c. List five goals of software process.
5 marks
2. Outline the five processes a software user, would of a necessity diligently follow, to procure a standard software.
14 marks
- 3a. Explain what is meant by Joint Application Development (JAD).
4 marks
- b. Outline four ideas on which JAD is based.
10 marks
- 4a. Define Unified Modeling Language(UML).
4 marks
- b. Explain the two different views of a system model represented by UML diagrams.
6 marks
- c. Although UML is a widely recognized and used modeling standard, it is frequently criticized for some deficiencies. List four of such deficiencies.
4 marks
- 5a. What is:
project planning?
project specification ?
4 marks
- b. State four benefits of written specification agreement.
6 marks
- c. List any four places where to locate errors in a project specification.
4 marks
- 6a. What is meant by project life cycle?
3 marks
- b. Explain briefly the four phases in a project life cycle.
8 marks

- c. Describe software project planning.
3 marks
- 7a. Differentiate between software validation and software verification.
5 marks
- b. What does stress analysis in a system involve?
3 marks
- c. List any three examples of errors targeted by stress tests.
6 marks