



NATIONAL OPEN UNIVERSITY OF NIGERIA
14-16 AHMADU BELLO WAY, VICTORIA ISLAND, LAGOS
SCHOOL OF SCIENCE & TECHNOLOGY
JANUARY/FEBRUARY 2013 EXAMINATION

CIT 333 - SOFTWARE ENGINEERING I

Instruction: Answer Any Four Questions

Time Allowed: 2 Hours

- 1a. Outline the two major components of a computer system. 4 marks
- b. Differentiate between application software and programming software. 6 marks
- c. State the function of system software and give two examples. 7½ marks
- 2a. Outline three of the goals of software engineering. 9 marks
- b. Define software life cycle model. 3 marks
- c. Explain the Waterfall model and list its phases. 5 ½ marks
- 3a. What does Software Requirements Analysis Process involve? 4 marks
- b. List three steps in the Requirements Analysis Process. 6 marks
- c. What is design process? 2½ marks
- d. List five yardsticks to be used to assess the quality of a good design. 5 marks
- 4a. In software, what do you understand by logical modularity? 4½ marks
- b. List four benefits of modular design. 4 marks
- c. List three basic approaches of designing Modular program 6 marks
- d. List three attributes of a good Module 3 marks
- 5a. Define Pseudo code 3½ marks
- b. Enumerate four of the general guidelines for writing Pseudo code 4 marks
- c. Write a Pseudo code to your question average. 10 marks
- 6a. Outline five CASE environments classification based on the focus/basis of Integration 10 marks
- b. List four common CASE risks and associated controls 4 marks
- c. State the two forms of testing process 3½ marks