



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

**COURSE CODE: CIT 333**  
**COURSE TITLE: SOFTWARE ENGINEERING I**  
**TIME ALLOWED: 2 ½ HOURS**  
**INSTRUCTION: ANSWER ANY FOUR QUESTIONS**

- 1a. Distinguish between software and program  
7 ½ marks
- b. What is Programming software? Give five (5) examples  
10 marks
2. Outline seven fundamental design concepts. 17 ½ marks
- 3a. Outline three basic approaches of designing Modular program  
9 marks
- b. Explain three good attributes of a software module. 8 ½ marks
- 4a. Explain the Software Quality Assurance (SQA) concept.  
5 marks
- b. Outline two SQA activities. 6 marks
- c. Explain what is meant by SQA audit. 3 ½ marks
- d. State the purpose of SQA audit. 3 marks
- 5a. Explain what is meant by software implementation. 4 ½ marks
- b. List six major tasks in software implementation.  
9 marks

- c. List four major requirements in software implementation.  
4 marks

- 6a. Explain what is meant by software crisis. 6  
marks

- b. List three sources of software crisis.  
4 ½ marks

- c. State seven ways by which software crisis manifests itself.

7 marks