COURSE CODE: CIT831
COURSE TITLE: Software Engineering Methodologies (3units)
TIME ALLOWED: 3hrs
INSTRUCTION: Answer any **five (5)** questions

QUESTIONS
1a. State the fundamental inspection pre-conditions.
        (6 marks)
1b. Enumerate and briefly explain 4 stages of design.
    (8 marks)

[Total = 14 marks]

2a. What are CASE tools?
        (2 marks)
2b. List and describe 6 attributes of a good software.
        (12 marks)

[Total = 14 marks]

3a. When is re-application desirable in an existing software?
(6 marks)
3b. Describe two problems of domain requirements.
        (8 marks)

[Total = 14 marks]

4a. List five architectural models and specify their roles
    (10 marks)
4b. Write short notes on the following:
    i.   Sub-system   )
    ii. Module   ) (2 marks each)

[Total = 14 marks]

5a. Give a brief description of the notion of structured methods.
(8 marks)
5b. What are formal specifications?   (6
marks)

**[Total = 14
marks]**

6a. Software products developed by means of the spiral model are
usually prone to
    hazards. Cite any 3 practical instances.
(9 marks)
6b. List any 5 components of the requirements document.
(5 marks)

**[Total = 14
marks]**

7a. Describe 3 key requirements validation techniques
   (9 marks)
7b. Enumerate the distinct phases of the waterfall model.
   (5 marks)

**[Total = 14
marks]**