



NATIONAL OPEN UNIVERSITY OF NIGERIA
PLOT 91, CADASTRAL ZONE, NNAMDI AZIKIWE EXPRESSWAY, JABI-ABUJA
FACULTY OF COMPUTING
DEPARTMENT OF COMPUTER SCIENCE
2024_2 EXAMINATION

COURSE CODE: CIT 831
COURSE TITLE: SOFTWARE ENGINEERING METHODOLOGY
CREDIT UNIT: 3
TIME ALLOWED: 3HRS
INSTRUCTION: ANSWER QUESTION ONE AND ANY THREE OTHERS

1. With the aid of the diagram explain Iterative Model of Software Development Lifecycle
- 2a. Explain the aid of diagram, the components of software characteristics
- 2b. What is Functionality?
- 2c. Examples of functionality in software include-
- 3a. What is a Requirement Engineering?
- 3b. What are the five (5) step process of requirement engineering?
- 3c. What is a Requirement Elicitation and Analysis?
4. Write a short note on the following **INVEST** quality model (i) Independent (ii) Negotiable (iii) Valuable (iv) Estimable (v) Small (vi) Testable
- 5a. What are the Relevance of System Modelling?
- 5b. Mention types of System Model
6. List four (4) **Inspection Pre-conditions** that you know