

BOWEN UNIVERSITY IWO, OSUN STATE
COLLEGE OF COMPUTING AND COMMUNICATIONS STUDIES
SOFTWARE ENGINEERING PROGRAM
B. Sc. DEGREE SECOND SEMESTER EXAMINATION, 2022/2023 SESSION
COURSE CODE: SEN 206 COURSE TITLE: SOFTWARE CONSTRUCTION
COURSE CREDITS: 2 DATE: FRIDAY 23RD JUNE 2023 TIME: 2 HOUR
INSTRUCTION: Answer any 3 Questions

Question 1

- a) Discuss the four fundamentals of software construction (8marks)
- b) What are the major concerns of construction planning (6marks)
- c) What are the three sources of ineffective designs in software construction (6marks)
- d) What are the ways to manage complexity in software construction (5marks)

Question 2

- a) How can you reduce the development costs by planning (5marks)
- b) Explain types of system integration techniques (10marks)
- c) Enumerate 5 desirable design characteristics in code design (10marks)

Question 3

- a) Discuss code tuning and Itemize its elements (10marks)
- b) Explain 5 levels of abstraction in software design (10marks)
- c) List any five code design technique (5marks)

Question 4

- a) Explain any 4 code design approaches that you know (8marks)
- b) Explain all the stages of data modelling (12marks)
- c) List any 5 steps required for physical data model (5marks)

Question 5

- a) Explain the following error processing terms :
 - i. Software error
 - ii. Software fault
 - iii. Software failure
 - iv. Debugging (12marks)
- b) Itemize and explain any internal quality attributes of a code (10marks)
- c) what do you understand by software quality assurance (3marks)