

BOWEN UNIVERSITY IWO, OSUN STATE
COLLEGE OF COMPUTING AND COMMUNICATION STUDIES
COMPUTER SCIENCE PROGRAMME
B.SC. DEGREE FIRST SEMESTER EXAMINATION SESSION: 2023/2024
COURSE TITLE: SOFTWARE CONFIGURATION MANAGEMENT
COURSE CODE: SEN 401 COURSE CREDIT: 2 UNIT
INSTRUCTION: Answer any four questions TIME ALLOWED: 2 HOURS

Question 1

25 marks

- (a) What is Software Configuration Management (SCM)?
- (b) Briefly write on the primary purpose of configuration status reporting (CSR)/ status accounting?
State the three basic processes of software configuration management
- (c) Explain baseline in software configuration management concept

Question 2

25 marks

- (a) What is the purpose of a software configuration management plan? Why is it difficult
- (b) Briefly explain the purpose of a change request?
- (c) State the 4 steps associated with configuration management?

Question 3

25 marks

- (a) What are the key components of configuration management?
- (b) Explain the role of configuration management in software development?
- (c) State the key benefits of configuration management? What happens if configuration management is Ignored?

Question 4

25 marks

- (a) What are the SCM tools? Explain different available SCM tools and State their benefits
- (b) How can you ensure that the configuration management process is efficient?
- (c) In an outline form, describe the structure of CM

Question 5

25 marks

- (a) Explain Version, Revision and Release
- (b) How can you ensure that the configuration management process is repeatable and predictable?
- (c) What is the difference between build management and release management?