



School of Computer Science Engineering and Information Systems

**CONTINUOUS ASSESSMENT TEST - I
WINTER SEMESTER 2024-2025**

Programme Name & Branch : M.Tech(SE)
Course Code and Course Name : SWE2021-Software Configuration Management
Faculty Name(s) : Prof.KAMALAKANNAN J ,Prof.KIRUBA THANGAM R
Class Number(s) : VL2024250503122 , VL2024250503123
Date of Examination : 28-01-25
Exam Duration : 90 minutes Maximum Marks: 50

General instruction(s):

- Answer All Questions
 - M - Max mark; CO - Course Outcome; BL - Blooms Taxonomy Level (1 - Remember, 2 - Understand, 3 - Apply, 4 - Analyse, 5 - Evaluate, 6 - Create)
- Course Outcomes
- CO1-Understand the basics of SCM and its functions
CO2. Understand the various types of defects and its classifications
CO3. Understand the various SCM Processes.

Q. No	Question	M	CO	BL
1.	Define following terms which are essential in SCM: (i) Baseline (ii) Software Configuration Item (iii) Configuration Control Board (iv) Version (v) Variant	10	CO1	BL-1
2.	Discuss the various stages of the SDLC which will undergo by a software developing company while developing a software and specify the various activities involved, appropriate outputs and peoples involved in each phase of the SDLC. Describe with diagram, how the life cycle phases is related with SCM.	10	CO2	BL-2
3.	Configuration Management systems should be able to produce the details of the latest as well as past versions and to reproduce the components of every version ,to cater the request made by the customer for the specific version. Discuss how the forward delta and reverse delta is used by the SCM to release the specific version to the customer? And explain the same with suitable diagram.	10	CO2	BL-2
4.	An Online Public Access Catalogue is an e-Library website which is part of Integrated Library System (ILS), also known as a Library Management System (LMS), and managed by a library or group of libraries. Patrons of the library can search library catalogue online to locate various resources - books, periodicals, audio and visual materials, or other items under control of the library. Patrons may reserve or renew item, provide feedback, and manage their account. For the above mentioned scenario apply the Configuration Identification	10	CO3	BL-4