



WALCHAND COLLEGE OF ENGINEERING

(Government Aided Autonomous Institute)

Visharambag, Sangli - 416415

Second Year B.Tech. Computer Science and Engineering

ESE, ODD SEMESTER, AY 2022-23

Software Engineering (6CS205)



ESE

PRN: _____

& Date: Monday, 13/02/2023 Time : 10 am to 1 pm

Max Marks 50

IMP: Verify that you have received question papers with correct course code, branch etc.

- Instructions**
- All questions are compulsory.
 - Writing question number on answer book is compulsory otherwise answers may not be assessed.
 - Assume suitable data wherever necessary.
 - Figures to the right of question text indicate full marks.
 - Mobile phones, smart gadgets and programmable calculators are strictly prohibited.
 - Except PRN anything else writing on question paper is not allowed.
 - Exchange/Sharing of stationery, calculator etc. not allowed.

Text on the right of marks indicates course outcomes (Only for faculty use)

		Marks	
Q1	A) Which are the main phases of Project Management Process ? brief about them. Also diagrammatically show how Project Management Process is related with Software Development Process.	5	CO1
	B) Explain PAF (Prevention Appraisal Failure) Model which is used for software quality planning?	5	CO1
Q2	A) What do you mean by SDM (Structured Design Methodology)? Discuss it for Library Management System.	5	CO2
	B) What is achieved using UML diagrams? Draw Use-Case Diagram for "College Library Management System" and brief about it.	5	CO3
Q3	A) Draw Class Diagram for "WCE Library Management System" with Librarian, Students, Faculty, Books, Accounts details etc. Each user could have some web user identity.	5	CO3
	B) With diagram explain User Interface Development Life Cycle flow . Also enlist UI Design heuristics .	5	CO3
Q4	A) Draw TDD (Test Driven Development) coding process. What do you mean by pair programming ?	5	CO2
	B) Discuss good programming practices . Also brief about Static Analysis done in coding phase.	5	CO2

- Q5 A) Discuss **Levels of Testing** with diagram. How these levels are associated with SDLC phases? Also brief on which test cases are prepared and when they are prepared during SDLC. 5 CO4
- B) What is **Black-box** and **White-box** testing method? Also brief on any one method of Test Case Design. 5 CO4

.....End of question paper.....