(Government Attack) 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

SE-Comp."
ESE - ODD.
2022-23

Day & Date: Friday, 23/12/2022

SDLC.

Time: 3.00 pm to 5 pm

			Carlotte in	Max Marks	50	1		
		c) Assume suitable d) Figures to the rig e) Mobile phones, i f) Except PRN any g) Exchange/Sharir	number on answer boo data wherever necessar ght of question text indi- smart gadgets and progr thing else writing on que og of stationery, calcular	cate full marks. rammable calculators are strictly p sestion paper is not allowed. tor etc. not allowed.	, branch e	ie, be ass	essed.	
Text on the right of marks indicates course outcome				mes (Only for faculty use)			Marks	
QI	A)	What is PAF (Prevention Appraisal Failure) Model which is used for software quality planning? Enlist major risks focused in project planning Risk Management activity.		uality vity.	5	COI		
	B)	Describe the purpose as	nd working of Configur	ration Management Process. Als rement Specification) artifact.		5	COI	
Q2	A)	Briefly note on Coupling and Cohesion concepts of Function Oriented Design. Also enlist the steps followed in SDM (Structured Design Methodology).			Also	5	C03	
	B)	What are UML diagrams? Draw Use-Case Diagram for "Bol Bank ATM System" and brief about it.				5	CO)	
Q3	A)	Draw Class Diagram for "Online Shopping System" with Customer, Account, Shopping Cart, Product, Order, Payment details. Each customer could have some web user identity Web user could be in one of several states and could be linked to a shopping cart.			identity.	5	CO3	
	B)	In User Interface Design which elements (controls) are commonly used? Enlist and brief on the design heuristics suggested for better usability aspect.			and brief	5	C02	
Q4	A)	Draw Incremental Coding Process flowchart and compare it with TDD (Test Driven Development) coding process.				5	CO2	
	B)	Write note on following any two Code Verification Techniques.				5	CO4	
		Code Inspections	Unit Testing	Static Analysis				
Q5	A)	With diagram explain Levels of Testing (testing types) in detail mentioning compliance to SDLC phases. Also mention who and when prepares the respective test cases during service.				5	CO4	

B) What do you mean by Test Cases! Discuss any 2 methods of Test Case Design either of Black-box or White-box testing method.

.... End of question paper