## (E)

## WALCHAND COLLEGE OF ENGINEERING

(Government Aided Autonomous Institute) Visharambag, Sangli – 416415

Second Vear B.Tech. Computer Science and Engineering Re-Exam, EVEN SEMESTER, AV 2022-23 Software Engineering (6CS205)



Re-Exam

	TROS.	
Day	& Date: Monday, 11/09/2023 Time: 02.00 pm to 05.00 pm Max Marks: 100	
Ins	IMP: Verify that you have received question papers with correct course code, branch etc. ructio a) All questions are compulsory.	
	b) Writing question number on answer book is compulsory otherwise answers may assessed.	1
	c) Assume suitable data wherever necessary. d) Figures to the right of question text indicate full marks. e) Mobile phones, smart gadgets and programmable calculators are strictly probable () Except PRN anything else writing on question paper is not allowed. g) Exchange/Sharing of stationery, calculator etc. not allowed.	
	N. Carlotte and Ca	arks
Text	on the right of marks indicates course outcomes (Only for faculty use)	001
QI I	Create your own diagram for the four pillars (Process, Poject, People, Product) of	
	Software Engineering required for quality and productivity in software development.	
	and a superior of the state of	C05
В	Schematically explain the phases of Waterfall model with their advantages and disadvantages. Also briefly mention how the drawbacks of waterfall model are resolved in other models.	6
C	The same to discuss the tasks. Also	6
	What are the three factors of Cost of Quality? Describe the PAF (Prevention	6 CO1
2 A)	Appraisal Failure) Model using for quality planning.	
Di	ent to the descript Puliet ton 10 risks associated with softward	C02
B)	development. Also discuss Risk Management used in Project planning?	6
C)	Draw CMM (Capability Maturity Model) diagram and discuss its levels in detail.  Compare CMM with ISO standard.	6 COI
A)	Explain the need of SRS (Software Requirement Specification). Also mention the characteristics of good SRS in detail.	
-	Enlist and brief on the design principles used in Function oriented design.	( 001
B)	Enlist and brief on the design principles used in Function octomes design	0

	n	Differentiate between the Transmission control protocol and user datagram protocol.	5	Co
	E	to the header format of TCP.	6	001
Q3	A)	in TCP Also, explain what is half-close in TCF connection	6	COI
	B)	Write detail note on all open loop congestion control and closed loop congestion control techniques with the help of proper diagrams.	8	CO3
	0	Write short note on:  Priority Queuing FIFO queuing	6	col
1	))	In the context of DNS, explain how recursive resolution is different from iterative resolution? Draw suitable diagrams to support your answer.	6	CO3
E	) 1	Describe the architecture & services of Electronic mail.	6	C01

···· End of question paper · · · ·