

Sardar Patel Institute of Technology Bhavan's Campus, Munshi Nagar, Andheri (West), Mumbai-400058, India (Autonomous College Affiliated to University of Mumbai)

End Semester Examination

Max. Marks: 60 Class: FYMCA Course Code: MCA 12 Duration: 3 hr Semester: I Date: 22/11/19

Subject: Software Engineering

Time: 2.00 to 5.00 p.m

Instructions: (1) All questions are compulsory.

(2) Draw neat diagrams

(3) Assume any necessary data but justify the same.

Q No.		Ques	tions			Max. Marks	CO-BL-PI
Q.1 (A)	Can Scrum model be aptime? Give reasons to structure? Give reasons to structure and elaborate was programming and why?	upport your a OR thich model o	nswer.			12	1-3-2.4.4
Q.2 (A)	Which time consuming gather requirement from other techniques.	fact finding to	_			6	1-3-3.1.2
(B)	Identify and elaborate F SRS of Library Manage		Non Function	nal requiremen	nt for	6	1-3-3.1.6
Q.3	Use COCOMO II model to estimate enhancement of existing Simple ATM project. The effort required to build software for a project which produces 20 screens and 10 reports. 20% modules are going to use as it was in first version of ATM project. Assume average developer maturity. Find out effort applied.						
	No. of section contain	Total < 4 (< 2 servers < 3 clients)	Total < 8 (2 - 3 servers 3-5 clients)	Total 8 + (>3 servers >5 clients)		12	3-4-4.3.3
	0 - 1	Simple	Simple	Medium			
	2 - 3	Simple	Medium	Difficult			
	4+	Medium	Difficult	Difficult			

		' Complexity Weight					
	Object Type	Simple	Medium	Difficult			
	Screen	1	2	3			
	Report	2	5	8			
	3GL Components			10			
		Complex	lty Weight				
	Developers exp		Producti	vity (PROD)			
	Very Lo	SW		4			
	Low			7			
	Nomin	al .		13			
	High			25			
	High			50			
		Produc	tivity Rate				
Q.4		-					
A	Classify three software hazard analysis would be			ch software	safety and	6	3-3-4.1
В		e a major cor	ncern.	ch software	safety and	6	
	hazard analysis would be	e a major cor	ncern.	ch software	safety and	6	3-3-4.1
	hazard analysis would be	e a major cor paseline with OR	example.				3-3-4.1
В	hazard analysis would be Discuss the reasons for b	e a major cor paseline with OR	example.				3-3-4.1
В	Discuss the reasons for b	oaseline with OR on Control ar	example.	ntrol in SCM			3-3-4.1
B Q.5	Determine role of Version Answer the following: Which Testing Technique following situations: A user logged in whe	e a major con caseline with OR on Control ar	example. ox or White E	ontrol in SCM Box) is more	suitable for	6	3-3-4.1
B Q.5 A	Determine role of Version Answer the following: Which Testing Technique following situations: A user logged in whee password A user receives an erice	e a major cor paseline with OR on Control ar ne (Black Bo	example. ox or White Example or esent user	ntrol in SCM Box) is more	suitable for	6	3-3-4.1
B Q.5 A a) b)	Determine role of Version Answer the following: Which Testing Technique following situations: A user logged in whee password A user receives an entincorrect password	e a major cor paseline with OR on Control ar ne (Black Bo	example. ox or White Example content user when enterested the content user the content use	ntrol in SCM Box) is more	suitable for	6	3-3-4.1
B Q.5 A	Determine role of Version Answer the following: Which Testing Technique following situations: A user logged in whee password A user receives an erice	e a major cor paseline with OR on Control ar ne (Black Bo n inputs a part or message on requirer	example. ox or White Example contents ox or when entered the when entered the ments	ntrol in SCM Box) is more	suitable for	8	3-3-4.1
B Q.5 A a) b) c)	Determine role of Version Answer the following: Which Testing Technique following situations: A user logged in whee password A user receives an errincorrect password Design system based	e a major cor paseline with OR on Control ar in inputs a part or message on requirer struction T	example. ox or White Example conservations are when enteres ments around the contents are contents a	ntrol in SCM sox) is more	suitable for orrect	8	3-3-4.1 3-3-4.1 4-5-4.1
B Q.5 A a) b) c) d)	Determine role of Version Answer the following: Which Testing Technique following situations: A user logged in whee password A user receives an errincorrect password Design system based Design Compiler Com	e a major cor paseline with OR on Control ar in inputs a part or message on requirer struction T	example. ox or White Example conservations are when enteres ments around the contents are contents a	ntrol in SCM sox) is more	suitable for orrect	8	3-3-4.1