

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

Mid Semester Examination - I Symptic September 2019

Branch:M.C.A.

Max. Marks: 20
Class: F.Y.

Duration: Hrs
Semester:I

Name of the Course: Software Engineering

Date:17/9/19 Time: 12-1

Course Code:MCA12

Instruction:

(1) All questions are compulsory

(2) Draw neat diagrams

(3) Assume suitable data if necessary

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No.		ax.	CO	s level
		M		
		ar		
HE		ks		DI
Q.1	Discuss four P's for effective Project management.			BL-2
(a)				
	People, Product, Project, Process			
	(1.25 each * 4=5 marks)			
(b)	OR			
	Describe three real-life situations in which the customer and the end user are			
	the same. Describe three situations in which they are different.			
	Three real-life situations in which the customer and the end user are the			
	same. (2.5 marks)			
	Three real time situation when the customer are the End user.			
		1980		
	1:-component software like	5		
	A:-joomla cloner	Ma	CO	
	B:-metamod	rks	1 3	
	C:-Ajax modules designer		ena	
	As above all are the software component in which the customer as the			
	developer use it to design the interface and become end user and the other			
	user only navigate through these module. There are number of plug-in			
	available which is customer need and use it as a enduser like, jquery etc	700	D in	
	2:-CAD Software		Est.	
	A:Autocad			
	B:allycad			
	In the cad software category as you can see that the customer is civil engineer			
	which uses this software as a enduser and implies in service			
	The customer to whom it give after modeling are not directly use the			
	Software so they are not end user.			

B:joomla C:smf D:-phpb This about	b bulletin ove are the examiney use the produ	ple the devel	oper or the cu			
Three s A:-raily B:-Airl C:-onli	vay reservation sine reservation sine poll system can see that all reused by end-us	of these are pare us not by	different ourchased by them.	the customer or	client and	
In rail In Air simila	e used by end-use way reservation so line reservation so ir in online poll so der a project with	ystem the air	r company is		re are user	BL-3
	Number of use Number of use Number of use Number of use Number of use Number of ex	er outputs = 2 er enquiries = er files = 06	40 = 35			
	Functional	Simple	Average	Complex		
	Type	- 3	4	6		5 CO
	user inputs	1	5	7		Ma 3 rks
	user outputs	3	4	6		IKS
	user enquiries	7	10	15	or madicinia au	
	user logic files user internal files	5	7	10		
As	ssuming all compomplex, Find out	lexity adjust the Functio	ment factors an Points (FP)	and weighing far for the project.	ctors as	
T	ake complex wei	ght for 5 fun	ctional types.		(1 mark)	
	esign table				Canti	THE CHARLES
	ICSIEII LAUTO					

1	Measurement parameter	Count	Weighting Factor(Average)	Total			
	Number of user inputs	50	4	=200			
	Number of user outputs	40	5	=200			
	Number of user enquiries	35	4	=140			
	Number of user files	6	10	=60			
	Number of external interfaces	4	7	=28			
	Function point = FP = UFP x V. UFP = Sum of all the complexit question, Take for complex(=5) VAF = Value added Factor i.e. TDI = Total Degree of Influence	ies i.e. t	he 5 parameters provided in the (1 m o.01 * TDI), (1 m	nark)			
Q.3	Identify and explain which mod government projects .Mention to life cycle? Spiral Model [1mark] Diagram [3marks] Explanation [1mark]	lel will y he reaso	you use for developing large ons behind your choice of a part	icular	5	СО	
Q.4	Can you apply Waterfall softw Management system? Justify in Waterfall Model Diagram [2 m Explanation with advantages [3	your ovark]	cess model while developing E wn words.	Banking	5	СО	