CMR INSTITUTE OF TECHNOLOGY

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Internal Assesment Test - II

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Sub:	SOFTWARE E	NGINEERING				Co	ode: 1	5CS42	
Date:	08 / 05 / 2017	Duration: 90 mins	Max Marks: 50	Sem:	4(A,B,C,D)	Br	anch:	CSE	
Answer FOUR FULL questions selecting AT LEAST ONE question from each part									
								OE	E
							Marks	СО	RBT
		P.	ART A						
1 (a)	1 (a) A program specification states that the program accepts 4 to 10 inputs that are						[5]	CO5	L3
	five-digit integers greater than or equal to 10,000. Show equivalence partitions								
(b)	and possible test input values. (b) Explain Paguiraments based testing with the halp of an example.						[5]	CO5	L3
(0)	(b) Explain Requirements-based testing with the help of an example. OR							003	LJ
2 (a)							[8]	CO5	L2
(b)	Differentiate be	etween verification an	d validation.				[2]	CO5	L1
		D	ADED						
3 (a)	Explain testing	process with the help	ART B of a neat diagram	1			[8]	CO5	L2
(b)		ven development.	or a near diagram				[2]	CO5	L1
• ()		•	OR						
4 (a)	-	re re-engineering with					[6]	CO4	L2
(b)	Explain mainte	enance cost factors tha	it result in high co	st of mai	ntenance.		[4]	CO5	L2
CMR				·			 ¬		10
	TUTE OF NOLOGY	USN						3	
ILCIII	NOLOGI	Inter	rnal Assesment Te	est - II					
Sub:	COPPULARE								CMR
	SOFTWARE	NGINEERING				Cod	e: 1	5CS42	CMR
Date:	08 / 05 / 2017	NGINEERING Duration: 90 mins	Max Marks: 50	Sem:	4(A,B,C)	Cod		5CS42	CMR
Date:	08 / 05 / 2017					Bran	nch: C		CMR
Date:	08 / 05 / 2017	Duration: 90 mins				Bran	nch: (
Date:	08 / 05 / 2017	Duration: 90 mins				Bran	nch: C	CSE	
Date:	08 / 05 / 2017	Duration: 90 mins FOUR FULL questions				Bran	nch: (OE	BE
Date: 1 (a)	08 / 05 / 2017 Answer A program spe	Duration: 90 mins FOUR FULL questions Proceedings of the procedure of th	ART A he program accep	ST ONE	question fron 0 inputs that	Bran each	nch: (OE	BE
	Answer A program spe five-digit integ	Duration: 90 mins FOUR FULL questions ecification states that the terr greater than or equ	ART A he program accep	ST ONE	question fron 0 inputs that	Bran each	neh: (n part Marks	OE CO	BE RBT
1 (a)	Answer A program spe five-digit integ and possible te	Duration: 90 mins FOUR FULL questions Excification states that the gers greater than or equest input values.	ART A he program accepual to 10,000. Sho	ST ONE	question fron 0 inputs that alence partiti	Bran each	nch: Con part Marks [5]	OE CO CO 5	BE RBT L3
	Answer A program spe five-digit integ and possible te	Duration: 90 mins FOUR FULL questions ecification states that the terr greater than or equ	ART A he program accepual to 10,000. Sho	ST ONE	question fron 0 inputs that alence partiti	Bran each	neh: (n part Marks	OE CO	BE RBT
1 (a)	Answer A program spe five-digit integ and possible te Explain Requir	Duration: 90 mins FOUR FULL questions Excification states that the gers greater than or equest input values.	ART A he program accepual to 10,000. Showith the help of at OR	ST ONE	question fron 0 inputs that alence partiti	Bran each	nch: Con part Marks [5]	OE CO CO 5	BE RBT L3
1 (a) (b)	A program spe five-digit integ and possible te Explain Requir	Duration: 90 mins FOUR FULL questions ecification states that the term of equations the property of the prop	ART A he program acceptual to 10,000. Showith the help of a OR nterface errors.	ST ONE	question fron 0 inputs that alence partiti	Bran each	meh: Con part Marks [5]	CO5	RBT L3
1 (a) (b) 2 (a)	A program spe five-digit integ and possible te Explain Requir	Paration: 90 mins FOUR FULL questions ecification states that the term of equal to the state of the state o	ART A he program acceptual to 10,000. Showith the help of a OR nterface errors. id validation.	ST ONE	question fron 0 inputs that alence partiti	Bran each	mch: 0 marks Marks [5] [5]	CO5 CO5	BE RBT L3 L3
1 (a) (b) 2 (a)	A program spe five-digit integ and possible te Explain Requir Explain variou Differentiate be	Paration: 90 mins FOUR FULL questions ecification states that the term of equal to the state of the state o	ART A he program acceptual to 10,000. Showith the help of a OR nterface errors. id validation. ART B	st 4 to 1 w equiva	question fron 0 inputs that alence partiti	Bran each	mch: 0 marks Marks [5] [5]	CO5 CO5	BE RBT L3 L3
1 (a) (b) 2 (a) (b)	A program spe five-digit integ and possible te Explain Requir Explain variou Differentiate be	Duration: 90 mins FOUR FULL questions ecification states that the term of equations are the strong and incomplete the strong are the strong and incomplete the strong and incomplete the strong are the strong and incomplete the strong are the strong and incomplete the strong are t	ART A he program acceptual to 10,000. Showith the help of a OR nterface errors. Individual to a diagram of a neat diagram	st 4 to 1 w equiva	question fron 0 inputs that alence partiti	Bran each	mch: 0 n part Marks [5] [8] [2]	CO5 CO5 CO5	BE RBT L3 L3 L2 L1
1 (a) (b) 2 (a) (b) 3 (a)	A program spe five-digit integ and possible te Explain Requir Explain variou Differentiate be Explain testing Define test-drive	Duration: 90 mins FOUR FULL questions ecification states that the term of equations are the properties of the properti	ART A he program acceptual to 10,000. Showith the help of a OR nterface errors. did validation. ART B of a neat diagram OR	ts 4 to 1 w equivan examp	question fron 0 inputs that alence partitile.	Bran each	mch: 0 n part Marks [5] [5] [8] [2]	CO5 CO5 CO5	BE RBT L3 L3 L2 L1 L2

[4]

CO5

L2

(b) Explain maintenance cost factors that result in high cost of maintenance.

- / \			PART C						
5 (a)	r · · · · · · · · · · · · · · · · · · ·					CO5	L2		
(b)	Define three types of maintenance.					CO5	L2		
	OR								
6 (a)	What is program evolution dynamics? Explain Lehman laws. PART D					CO5	L2		
- ()									
7 (a)	Different	[2] [8]	CO5	L1					
(b)	Draw a neat diagram to explain project planning process.					CO4	L2		
(c)	Explain COCOMO-II model with a neat diagram OR					CO4	L2		
0	T .1								
8		information given in the	table, draw		F101	004	т О		
(a)		/Gantt chart			[10]	CO4	L3		
(b)		cation chart	D (1 (1)		[10]	CO4	L3		
	Task	Effort (person-days)	Duration (days)	Dependencies					
	T1 T2	15	10	-					
	T3	8 20	15 15	T1 (M1)					
	T4	5	10	-					
	T5	5	10	T2, T4 (M3)					
	T6	10	5	T1, T2 (M4)					
	T7	25	20	T1 (M1)					
	T8	75	25	T4 (M2)					
	T9	10	15	T3, T6 (M5)					
	T10	20	15	T7, T8 (M6)					
	T11	10	10	T9 (M7)					
	T12	20	10	T10, T11 (M8)					
			PART C						
5 (a)	With the	help of a neat diagram, e	xplain software evolu	ution process.	[7]	CO5	L2		
(b)						CO5	L2		
		[3]							
6 (a)	What is p	[2+8]	CO5	L2					
7 (a)	PART D a) Differentiate between milestones and deliverables.								
		[2] [8]	CO5	L1					
(b)	Draw a neat diagram to explain project planning process.					CO4	L2		
(c)	Explain C	[10]	CO4	L2					
			OR						
8		information given in the	table, draw						
(a)	Bar chart/Gantt chart					CO4	L3		
(b)	Staff allo	cation chart			[10]	CO4	L3		
	Task	Effort (person-days)	Duration (days)	Dependencies					
	T1	15	10	-					
	T2	8	15	-					
	T3	20	15	T1 (M1)					
	T4	5	10	-					
	T5	5	10	T2, T4 (M3)					
	T6	10	5	T1, T2 (M4)					
	T7	25	20	T1 (M1)					
	T8	75	25	T4 (M2)					
	T9	10	15	T3, T6 (M5)					
	T10	20	15	T7, T8 (M6)					
	T11 T12	10 20	10	T9 (M7) T10, T11 (M8)					
	114	20	10	110, 111 (1/10)					