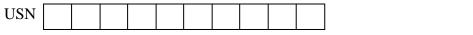




$Internal\ Assessment\ Test\ 2-April.\ 2018$

Sub:	System Software					Sub Code:	17MCA25	7MCA25 Branch: MC			A	
Date:	19/04/2018 Duration: 90 min's Max Marks: 50			50	Sem	II			OBE			
Note: Answer FIVE FULL Questions, choosing ONE full question from each Module PART I									ARK S	СО	RBT	
1 (a)	Discuss literals Symbol-defining Statements and Expressions with suitable examples?							able [06]	CO2	L2	
(b)	Explain Multi-pass Assembler OR								04]	CO2	L2	
2 (a)	Discuss Program Block and Control section & program linking with example for each.							for [04]	CO2	L2	
(b)	b) Explain design of one pass assembler PART II								06]	CO2	L2	
3	Write short note on i) MASM Assembler ii) SPARC Assembler OR						[10]	CO2	L2		
4 a	Describe all the data structures of linking loader							[06]	CO3	L2	
b	Write short note on Bootstrap Loader							[04]	CO3	L2	





$Internal\ Assessment\ Test\ 2-April.\ 2018$

Sub:	System Software					Sub Code:	17MCA25	5 Branch: MCA				
Date:	19/04/2018 Duration: 90 min's Max Marks: 50				50	Sem	II				OBE	
Note : Answer FIVE FULL Questions, choosing ONE full question from each Module PART I							MAR S		СО	RBT		
1 (a)	Discuss literals Symbol-defining Statements and Expressions with suitable examples?							[06	[CO2	L2	
(b)	Explain Multi-pass Assembler OR								[04	.]	CO2	L2
2 (a)	Discuss Program Block and Control section & program linking with example for each.							[04	.]	CO2	L2	
(b)	Explain design of one pass assembler PART II							[06	-	CO2	L3	
3	Write short note on iii) MASM Assembler iv) SPARC Assembler OR						[10		CO2	L2		
4a	Describe all the data structures of linking loader							[06	5]	CO3	L2	
b	Write short note on Bootstrap Loader							[04	.]	CO3	L2	

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<i>-</i>	PART III	[10]	CO3	L3	
5	Write the Algorithm for pass-1 and pass-2 of Linking Loader OR				
6	Explain following loader design options i) Linkage Editors ii) Dynamic Linking	[10]	CO3	L3	
	PART IV				
7	What are the Basic Functions of Loader? Explain design of absolute loader and	[10]			
	Bootstrap loader	[10]	CO3	L3	
	OR				
0	Discuss Delegation using Medification mound and Dit Mosk (Delegation Dit)	[10]			
8	Discuss Relocation using Modification record and Bit Mask (Relocation Bit)	[10]	CO3	L3	
0	PART V	[10]	CO3	L2	
9	Write short note on i) Automatic Library Search	[10]			
	ii) Loader options				
10a)	OR Write a short note on Ms-DOS Linker	[5]	CO3	L2	
b)	Write a short note on Cray MPP Linker	[5]	CO3	L2	
		[3]			J
5	PART III Write the Algorithm for pass-1 and pass-2 of Linking Loader OR	[10]	CO3	L3	
6	Explain following loader design options i) Linkage Editors ii) Dynamic Linking	[10]	CO3	L3	
	PART IV				
7	What are the Basic Functions of Loader? Explain design of absolute loader and Bootstrap loader	[10]	CO3	L3	
	OR				
8	Discuss Relocation using Modification record and Bit Mask (Relocation Bit)	[10]	CO3	L3	
	PART V	[10]	GO2	1.2	
9	Write short note on i) Automatic Library Search	[10]	CO3	L2	
	ii) Loader options				
100)	OR Write a short note on Ms-DOS Linker	[5]	CO3	L2	
10a) b)	Write a short note on Cray MPP Linker				
		[5]	CO3	L2	