

USN

--	--	--	--	--	--	--	--	--	--

Internal Assessment Test 2 – April. 2018

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

USN

--	--	--	--	--	--	--	--	--	--

Internal Assessment Test 2 – April. 2018

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

PART III			
5	Write the Algorithm for pass-1 and pass-2 of Linking Loader	[10]	CO3 L3
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 Bootstrap loader	[10]	CO3 L3
OR			
8	Discuss Relocation using Modification record and Bit Mask (Relocation Bit)	[10]	CO3 L3
PART V			
9	Write short note on i) Automatic Library Search ii) Loader options	[10]	CO3 L2
OR			
10a)	Write a short note on Ms-DOS Linker	[5]	CO3 L2
b)	Write a short note on Cray MPP Linker	[5]	CO3 L2

PART III			
5	Write the Algorithm for pass-1 and pass-2 of Linking Loader	[10]	CO3 L3
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 Bootstrap loader	[10]	CO3 L3
OR			
8	Discuss Relocation using Modification record and Bit Mask (Relocation Bit)	[10]	CO3 L3
PART V			
9	Write short note on i) Automatic Library Search ii) Loader options	[10]	CO3 L2
OR			
10a)	Write a short note on Ms-DOS Linker	[5]	CO3 L2
b)	Write a short note on Cray MPP Linker	[5]	CO3 L2