Tot	al No	o. of Questions: 8] [Total No. of Printed Pages: 2
		Roll No
		MCADD-705(1)
		M.C.A. (Integrated), VII Semester
		Examination, May 2022
		Unix and Shell Programming
		(Elective - II)
		Time: Three Hours
		Maximum Marks: 70
No	te:	i) Attempt any five questions.
		ii) All questions carry equal marks.
1.	a)	Discuss in brief UNIX file system structure. 7
	b)	Explain Architecture of Unix Operating System. 7
2.	a)	Write a algorithm to convert a path to an Inode. 7
	b)	Explain Linux structure in detail.
3.	a)	What is link System call? Discuss the algorithm for linking file.
	b)	Differentiate list, arrays and Hashing by giving examples. 7
4.		ntion Different loop-control structure that is used in shell gramming.
5.	a)	Discuss vi editor with suitable example. 7
	b)	Write and explain any five awk built in functions.
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6.	a)	Discuss the algorithm for fork system call.	7
	b)	Explain sleep process creation/ termination.	7
7			
7.	a)	Explain PIPES System calls (Mounting & Un-m	ounting) 7
	b)	Explain Semaphores in detail.	7
8.	Write short notes on any Two.		14
	i)	Unix security features	
	ii)	Write short note Pipes in Unix	
	iii)	Write a short note grep command	
	iv)	Write the mechanism of process creations	