[20.00 110. 0] I I III EU I UZES. 2	
Roll No	
MCADD-705(1)	
M.C.A. (Integrated), VII Semester	
Examination, November 2023	
Unix and Shell Programming	Treasure I
(Elective - II)	
Time: Three Hours	

(Elective

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Noi	te:	i) Attempt any five questions. ii) All questions carry equal marks.	70
1.	a) b)	Define structure of the buffer pool with example. Explain process states and transition.	7 7
2.		scuss various scenarios for retrieval of buffer. Also with blk algorithm.	rite 14
3.	a) b)	What are the two types of semaphores in UNIX? What are in-core inodes? Write the algorithm allocation of in-core inodes.	7 for 7
4.	a) b)	- a GI II - a commina	7 7
5.	a) b)	Write Features of Linux, Linux structure and var flavours of linux? What are named pipes? Explain logical view of read and writing pipes.	
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ALC: NO			
6.	. a)	Discuss the structure of awk-script. Write expression that could be used as pattern in the program line of a awk-script.	ns an 7
		i) To print every line with more than three fields.	
		ii) Print last field of the last line.	
	b)	Write steps to Sleep process creation/termination.	7
7.	a)	Discuss Awk built in variable names and operators, array strings and functions.	7s,
	b)	What are shell variables? Explain them by taking example	es.
			7
3.	Wri	te short notes on:	14
	a)	Inter process communication	
	b)	Sleep process creation	
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