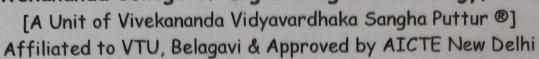
Vivekananda College of Engineering & Technology, Puttur



5

CRM08

Rev 1.10

CSE

26/08/2022

CONTINUOUS INTERNAL EVALUATION - 3

Dep		t:CSE	Sem / Div:4 th CSE	Sub:Operating Systems	SCode:18CS43		
D	ate	e:01/9/22	Time: 9:30-11:00	Max Marks: 50	Elective:N		
N	ot	e: Answer	any 2 full questions,	choosing one full question	n from	each	part.
Q					Marks		
]	PART A			
1		What is a file? Explain the types, attributes an operations of the file.			10	L2	CO4
		1, 2, 3, 5, 2 Assuming faults wou i) LRU	the following page re- 2, 3, 5, 7, 2, 1, 2, 3, 8 there are 3 memory ald occur in the case of ii) Optiminitially all frames are	frames, how many page of all Algorithm.	10	L2	CO4
	c	Explain th	ne different file access	s methods.	5	L2	CO4
				OR			
2	a	Explain the examples disadvanta	and mention	directory structures, with their advantages and		L2	CO4
	b	that occur frames re	r using FIFO and I spectively 5, 4, 3, 2,	nce calculate the faults LRU for 3 and 4 page 1, 4, 3, 5, 4, 3, 2, 1, 5. Is for both 3 and 4 page	10	L2	CO4
	C	What is T	Thrashing? How it can	n be controlled.	5	L2	CO4

Page: 1 / 2

PART B									
3	a	Explain various types of disk attachment with neat diagrams.	10	L2	CO5				
	ь	Explain the different operations performed on the access rights, by taking any access matrix as an example.	10	L3	CO5				
	c	With diagram explain components of Linux system.	5	L3	CO5				
OR									
4		Explain different types of disk scheduling algorithms by taking below example Queue-95,180,34,119,11,123,62,64 with initial head position at track 50 and ending at track 199.	10	L2	CO5				
		Explain different implementation methods of access matrix and compare among them.	10	L3	CO5				
	С	Write a short note on process scheduling.	5	L3	CO5				

Prepared by: Mrs. Bharathi K/Mrs.Priyanka M Yalagach

HOD