Asst Prof Return Muritury

Dept. of CSE (AZRML)

3

(9.11) Explain with diagram: (1) Multiturendend models (ii) Multilevel que ne scheduling. June July 2023 - 819] Module-3 Q.1) Explain critical section problem. What are the deprirements that critical section problem mustsatisfy. LFeb/mar 2022-619 (Anley-sm) what is critical section problem? what are the requisements for the solution to ceitical section problem? Explain Peterson's solution. [JulyAng 2022-819] [MBP-1 2019-20-6M] (3.2) Illustiale how Reader's - Writer's problem can be solved by using semaphores. [MOP-12019-20-8M] fe8/Mar 2022 -7M7 (9.3) Dissus breifly about semaphores in synchronization. [Jan Fes 2021-1019] Q.4) Explain Dining Philosophu's solution. (Ay/syxxx-6M) (0.5) What is a Deadlock? What are the four necessary conditions for the deadlock to occur? (Any (sup 2000 - 4M) LJune (July 2023 - 4M), Feb Mar 2022 - TMG MOP-1 2019-20-5M, June July 2022-5M (0.6) Discus in detail about dead lock charecteristics with enample. LJan [feb 2021 -1019] (9,7) How to prevent the Occurrence of deadlock, explain in defail. Dept of CSE (AZR ML)

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en-	(Aufseproso - SM) [June July 2023-10M]
Em	handling page fault veing appropriale diagram.
Z	CANSISEPT DE SMY LIne (July 2023-1019)
Mer	8) Describe the steps in handling a page fault. [MBP-1201310
73	OR July [Ang 2022-6m, - 8m]
K.	8) Discus breifly about demand-paging in memory management scheme. [Jan feb 2021-1019]
Me	(Dan [tel 202] - 10 Mg
2	9.9) Illustialé bon demand paging affects systèmes performance. [MBP-12019-20-879, Fellman 2022]
13	
505	Q.10) hohat is thrashing? How it can be controlled?
	[MBP-12019-20 -4M, Fe8 Mar 2022-6M]
Llus	Module - 5
Sy	
PPla	Get) Discus breitjeg about the file attribule in a file Egetem.
Su of	··· · · · ·
tate	(Aylaproson) [Janfeb 2021 - 1019]
ren	
Len	Q02) Explein in detail about various file operations in transfelo 2021-10M, NISP-1 2019-20 - 8M]
Time	
37	Q.4) Explain the various access methods of files.
stern	[MBP-12019-20-6M, Jan / Feb 2021 - 7M]
3	Q.5) Explain the various weltrode en Emplementeng file système.
3	[1481-12019-10-619]
	Q.6) Explain the different allocation methods. [tuly (Any 2022 - 1019]
7	. Dept. of CSE (ASEML) ARCH. Prof. Rekne Mustry

- B) With neat diagram, englein Two-level and Three-level directory structure. [June 1844 2023 819]
- Q. #) Englain Contiguous and Linked disk space allocation methods with diagram.

 (same answer as for 8.6 from Limethylood3 12M)

 file system)
- Q.8) With suitable example, enploin any two methods of implementality on of free space list. [feb [Mar 2022-619]
- 9.9) Explain in detail about oversen of mars storage structure. [Fur/fet 2021-10M]
- Q.10) Explain the various disk scheduling algorithms with enample. (Any [Fig 2010-104) [MSP-1 2019-20 819] Lang Fels [Max 2022 719]
- Q. 11) Explain ace es mettix method of system protection with domain as objects and its implementation.

 (Any (seprosage) [July (Ang 2022-1019]
- Q) How the Acces matrix model of protection can be viewed in Os?

Additional Questions

Module - 1

Q.1) Define operating systems, bohat twee three advantages. one multiprocusor systems? [Aug/sept 2020 - 5M]

Q.2) What are system Calls? Briefly point out îte lypes.

[Dec 2019/Jan 2020 - 5M]

Module - 2

Q.D Compare and contrast- shef tum, medium tum and long-[Anglept 2020 - 6M]

Jenn scheduling.

[Angleept 2010 - 6M]

Q. 2) Englain proces stalts usit stale transition dragram. Also
emplain PCB with a near dragram. [Dec 2019/ Jeur2020 - 6M]

Module-3 Q.1) Define remaphores. Explein ets usage and implementation. Decr 19/ Jan 2020

What are semaphores, explain how muthal exclusion is Puplemented us in semaphores. [Anglispt 2020 - 5m]

Module-4 Q.1) Explain file system mounting.

[Anglept 2020 - 5M]

(i) Dynamic Loading and linking.

Dec 2018/Jan 2019-457

Q.3) What do you mean by free space lest? Will suitable example; explain any 3 methods of flee space list [Dec 2018/Jan 2019 - 8m]

Q.H) Explain copy on-write process in northal memory. LJune Fry 2018 - 4 M