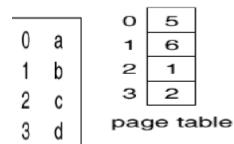
Chapter 9: Memory Management

Descriptive

- 1) Explain three stages of Binding of Instruction and data to Memory
- 2) Discuss the concept of logical and Physical address space
- 3) Explain Dynamic Loading
- 4) Explain the Swapping of process with Memory using diagram.
- 5) Explain the concept of contiguous memory allocation with diagram.
- 6) Define 1) Internal fragmentation 2) External Fragmentation
- 7) Define 2) page 2) frame
- 8) Explain address translation architecture with diagram.
- 9) Explain paging with TLB in detail.
- 10) List three techniques of page table structure, Explain any one with diagram.
- 11) Explain shared page example with diagram.
- 12) Draw example of segmentation with suitable values of base and limit .

Objective

- 1) Logical address is generated by CPU(T/F)
- 2) Full forms: MMU,
- 3) Limit register contains range of physical address.(T/F)
- 4) What do you mean by hole in memory?
- 5) How first fit and best are better than worst fit?



6)

Logical address

Page size=4kb

Find the physical address for the logical address 3 as per the given page table.

Logical address is on page 0 –offset is 3

Page 0 is on frame 5

Physical address =(5*4)+3=23

7) Find the range of physical memory address for the following given segment.

Base address for the segment :1400

7)Explain about free space management.

Limit:1000.

Range =base address+limit=1400+100=1500 i.e 1400 to 1500

Chapter 12: File system implementation

Objective	
1)	provide an object-oriented way of implementing file systems.
a) virtual file system b) fil	e system c) directory structure d) none
2) Linear list with hash o	lata structure is called table
a) file allocation b) hash	c) directory d) access control
3) Situations where two	file names hash to the same location is called
a) interrupt b) collision	c) timeout d) none
4) A file consists of one c	or more extents. (True/False)
5) When address pointer called	contains not data but the addresses of blocks which contain data ,it is
a) single direct b) double	indirect c) triple indirect d) none
Descriptive	
1)Write about File Syster	n Structure?
2)Draw the file access co	ntrol list or file control block?
3)What do you mean by	virtual file system. Draw and explain schematic view of VFS?
4)Define Vnode.	
5)Differentiate b/w hash	table and linear implementation for directory.
6)list out the allocation methods of disk blocks .Explain any one of them.	