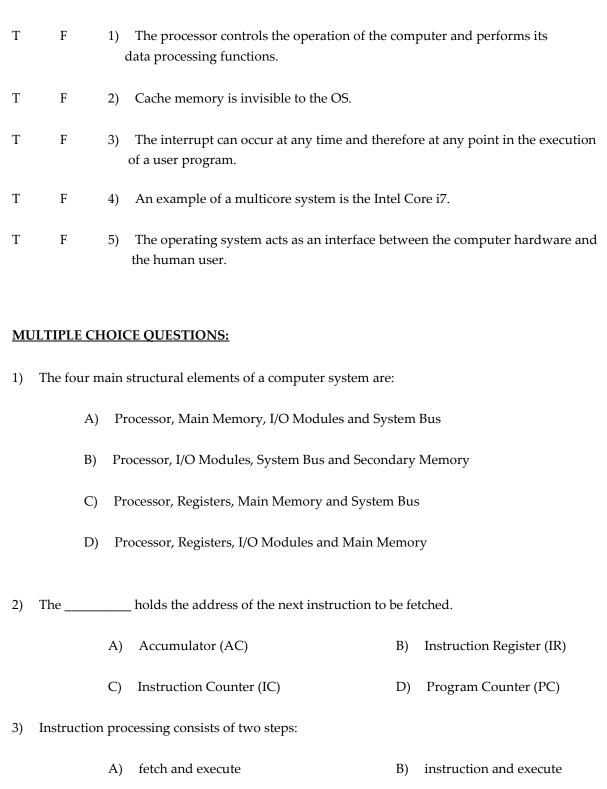
## **TRUE/FALSE QUESTIONS:**



			C)	instruction and ha	lt		D)	fetch a	nd instruction
4)	The			_ routine determine	es the n	ature o	of the int	terrupt a	and performs whatever
	actior	is are r	neede	d.					
			A)	interrupt handler				B)	instruction signal
			C)	program handler				D)	interrupt signal
5)	Sma	ll, fast	mem	ory located betwee	n the p	rocess	or and m	nain mer	mory is called:
			A)	Block memory		B)	Cache 1	memory	
			C)	Direct memory		D)	WORM	1 memo	ry
6)	6) When an external device becomes ready to be serviced by the processor the device sends a(n) signal to the processor.								
		A)	acc	ess		B)	halt		
		C)	har	ndler	D) i	interru	pt		
SH	SHORT ANSWER QUESTIONS:								
				on of the mputing.	was th	e hard	ware rev	olution	that brought about desktop and
	2)	Extern	al, no	nvolatile memory i	s also 1	referre	d to as _		or auxiliary memory.
	3)	A		_ computer combin	nes two	or mo	ore proce	essors or	n a single piece of silicon.
	•	A Control/Status register that contains the address of the next instruction to be fetched is called the							
					ms tak	ing tui	ns in ex	ecution	is known as
	Memory Management and Virtual Memory  TRUE/FALSE QUESTIONS:								
T	F	7	1)	If a system does no	ot empl	oy virt	ual men	nory eac	h process to be executed must be fully

loaded into main memory. T F 2) A process that is not in main memory is immediately available for execution, regardless of whether or not it is awaiting an event. Τ F 3) The use of unequal size partitions provides a degree of flexibility to fixed partitioning. Τ F 4) The memory protection requirement must be satisfied by the operating system rather than the processor. F Τ 5) A hardware mechanism is needed for translating relative addresses to physical main memory addresses at the time of execution of the instruction that contains the reference. Τ F The size of virtual storage is limited by the actual number of main storage locations. Т F Segmentation is not visible to the programmer. 7) Т F Virtual memory allows for very effective multiprogramming and relieves the user of the unnecessarily tight constraints of main memory. Т F 9) The principle of locality states that program and data references within a process do not tend to cluster. Τ F 10) The addresses a program may use to reference memory are distinguished from the addresses the memory system uses to identify physical storage sites. **MULTIPLE CHOICE QUESTIONS:** 

1)	Main memory	divided into a number of equal size frames is the technique.				
		A)	simple paging	B)	dynam	ic partitioning
		C)	fixed partitioning		D)	virtual memory segmentation
2)	Withneed not be con		, .	g all c	of its seg	ments into dynamic partitions that

			A)	simple	paging			B)	virtual memory segmentation
			C)	virtual	memory pa	aging	5	D)	simple segmentations
	3)	One technique	e for c	overcomi	ng external	frag	mentatio	n is	·
				A)	loading		B)	compa	ction
				C)	relocation			D)	partitioning
	4)	The chunks of	a pro	ocess are	known as _		·		
			A)	pages		B)	address	ses	
			C)	frames		D)	segmer	nts	
	5)	Available chu	ınks c	of memor	ry are know	n as		·	
			A)	frames		B)	segmen	ts	
			C)	addres	ses		D)	pages	
	6)	-		_	-		-	_	ent, the placement algorithm alled
			A)	first-fit		B)	best-fit		
			C)	last-fit		D)	next-fit		
7)		e st ge number.	ructu	re indexe	es page tabl	e ent	ries by fr	ame nu	mber rather than by virtual
			A)	hash ta	ıble		B)	segmer	nt table
			C)	page ta	ble		D)	inverte	ed page table
8)	Α_	is iss	ued if	a desire	d page is no	ot in	main me	mory.	

	A)	paging error	В)	page re	eplacement policy
	C)	page fault		D)	page placement policy
9)	is transpare efficient use of main me		and elimi	nates ext	ernal fragmentation providing
	A)	Hashing	B)	Paging	
	C)	Segmentation 1	D) Thras	hing	
10)	The determ	ines when a page sho	uld be bro	ught into	main memory.
	A) page fa	ault 1	B) fetch p	oolicy	
	C) working	ng set D) resi	dent set m	anageme	nt
SH(	ORT ANSWER QUEST	IONS:			
		ed space internal to a an the partition is refe	-		fact that the block of data
		emory becomes more phenomenon referred		_	ted and memory utilization
	3) is a stora though it were part	e e	in which s	econdary	memory can be addressed as
	•	oblem of doubling thal high-speed cache fo	•		ne, most virtual memory schemes called a
5	5) With, a location on that pag		nain memo	ory only	when a reference is made to a

Processes, Threads, and Scheduling TRUE/FALSE QUESTIONS:

Т	F	1) I			f a collection of hardware resources, such as the dules, timers, and disk drives.			
T	F	2)	The process control block is the key tool that enables the OS to support multiple processes and to provide for multiprocessing.					
T	F	3)	It is not the responsibility	ity of the	operating system to control the execution of processes.			
T	F	4)	The OS may create a pr	cocess on	behalf of an application.			
T	F	5)	The OS may suspend a	process i	if it detects or suspects a problem.			
MU	LTIPLE CH	HOIC	CE QUESTIONS:					
1)	-		-		port for multiprogramming, and is needed to resources by multiple applications at the same time.			
		A)	memory	B)	data			
		C)	software	D)	hardware			
2)	It is the pri	incip	al responsibility of the _		_ to control the execution of processes.			
		A)	OS	B)	process control block			
		C)	memory D)	dispato	cher			
3)	3) When one process spawns another, the spawned process is referred to as the							
		A)	zombie process	B)	child process			
		C)	stack process	D)	parent process			
4)		_ inv	olves moving part or all	of a proc	ess from main memory to disk.			
		A)	Swapping		B) Relocating			
		C)	Suspending	D)	Blocking			

	A)	Suspended	B)	Blocked				
	C)	Zombie	D)	Ready				
SHOR	SHORT ANSWER QUESTIONS:							
1)	The principal function of the OS is to create, manage, and processes.							
2)	A process in the state is in main memory and available for execution.							
3)	The is a layer of software between the applications and the computer hardware							
	that supports applications and utilities.							
4)	A process is in the state when it is in secondary memory and awaiting an event.							
5)	The process control block information can be grouped into three general categories: process identification,							
	and process control information.							

5) A process is in the \_\_\_\_\_ state when it is in main memory and awaiting an event.