## TRUE/FALSE

1.	Single-user systems in a non-networked environment allocate, to each user, access to all available main memory for each job, and jobs are processed sequentially, one after the other.					
	ANS: T	PTS: 1	REF: 30-31			
2.	A single-user system supports multiprogramming.					
	ANS: F	PTS: 1	REF: 31			
3.	The first attempt to	allow for multiprogra	amming used fixed partitions.			
	ANS: T	PTS: 1	REF: 31			
4.	Single-user contiguo	ous allocation schem	es have the problem of partition intrusion			
	ANS: F	PTS: 1	REF: 31			
5.	The algorithm used to store jobs into memory in a fixed partition system requires a few more steps than the one used for a single-user system because the size of the job must be matched with the size of the partition to make sure it fits completely.					
	ANS: T	PTS: 1	REF: 32			
6.	The fixed partition scheme does not require that the entire program be stored contiguously and in memory from the beginning to the end of its execution.					
	ANS: F	PTS: 1	REF: 32			
7.	The fixed partition scheme works well if all of the jobs run on the system are of the same size or if the sizes are known ahead of time and don't vary between reconfigurations.					
	ANS: T	PTS: 1	REF: 33			
8.	In a fixed partition scheme, large jobs will need to wait if the large partitions are already booked, and they will be rejected if they're too big to fit into the largest partition.					
	ANS: T	PTS: 1	REF: 33			
9.	The best-fit allocation method keeps the free/busy lists organized by memory locations, low-order memory to high-order memory.					
	ANS: F	PTS: 1	REF: 36			
10.	A large job can have	e problems with a first	st-fit memory allocation scheme.			
	ANS: T	PTS: 1	REF: 38			

11. The first-fit algorithm assumes that the Memory Manager keeps only one list containing blocks.					lanager keeps only one list containing free memory		
	ANS: F	PTS:	1	REF:	38		
12. One of the problems with the best-fit algorithm is that the entire table must be searched before allocation can be made because the memory blocks are physically stored in sequence according to location in memory.							
	ANS: T	PTS:	1	REF:	39		
13.	Research continues to focus on finding the optimum allocation scheme.						
	ANS: T	PTS:	1	REF:	40		
14. For a fixed partition system, memory deallocation is relatively complex.					is relatively complex.		
	ANS: F	PTS:	1	REF:	41		
15.	15. In a dynamic partition system, a null entry in the busy list occurs when a memory block between two other busy memory blocks is returned to the free list.						
	ANS: T	PTS:	1	REF:	44		
16.		npty blo	cks and compa	ct them	Memory Manager relocates programs to gather to make one block of memory large enough to t in.		
	ANS: T	PTS:	1	REF:	45		
17. Memory defragmentation is performed by the operating system to reclaim fragment					rating system to reclaim fragmented space.		
	ANS: T	PTS:	1	REF:	45		
18.	After relocation and	compac	tion, both the f	ree list	and the busy list are updated.		
	ANS: T	PTS:	1	REF:	46		
19.	19. The bounds register is used to store the highest (or lowest, depending on the specific system) location in memory accessible by each program.						
	ANS: T	PTS:	1	REF:	48		
20.	Compaction should always be performed only when there are jobs waiting to get in.						
	ANS: F	PTS:	1	REF:	50		
MULTIPLE CHOICE							
1.	Main memory is also a. single-user mem b. random access m	ory	as	c. d.	finite memory virtual memory		

	ANS: B	PTS:	1	REF:	30
2.	In a single-user syste a. sequentially b. intermittently	m, jobs	are processed		randomly in order of longest job to shortest job
	ANS: A	PTS:	1	REF:	30
3.	Fixed partitions are a a. complete b. static	ılso call	ed partition	c.	direct sized
	ANS: B	PTS:	1	REF:	31
4.	In the fixed-partition track of jobs is compa. partition size, mob. status, access, and c. partition size, status, access, and partition size, mob.	oosed of emory a nd memo ntus, and	the address, and star ory address d access	tus	e, the table that the Memory Manager uses to keep
	ANS: D	PTS:	1	REF:	32
5.	The fixed partition so a. all jobs are of sir b. jobs have differe c. job sizes are not d. all jobs are under	milar siz ent sizes known	ze	n	
	ANS: A	PTS:	1	REF:	33
6.	The phenomenon of a. dynamic fragmen b. internal fragmen	ntation	n-complete use	c.	mory space in a fixed partition is called external fragmentation fixed fragmentation
	ANS: B	PTS:	1	REF:	33
7.	a. An inefficient fit b. Indirect partition ANS: C	t		c.	en blocks of allocated memory. External fragmentation Internal fragmentation
8.	The method ke high-order memory. a. fixed partition al b. first-fit memory	location	1	c.	ed by memory locations, from low-order memory to dynamic fit memory allocation best-fit memory allocation
	ANS: B	PTS:		REF:	•
9.				gorithm c.	is to find the smallest memory block into which a dynamic-fit best-fit
	ANS: D	PTS:	1	REF:	

10.	The release of memo a. fragmentation	ry spac	e by the Memo	c.	ager is called free memory deallocation		
	b. relocation						
	ANS: D	PTS:	1	REF:	41		
11.	returned to the free li		curs when a m	block between two other busy memory blocks is			
	<ul><li>a. blank line</li><li>b. null entry</li></ul>				joined entry empty entry		
	ANS: B	PTS:	1	REF:			
12.	of memory is performed by the operating system to reclaim fragmented sections of the memory space.						
	<ul><li>a. Deallocation</li><li>b. Redirection</li></ul>				Compaction Reallocation		
	ANS: C	DTC.	1	REF:			
	ANS: C	P15:	1	KEF:	43		
13.	Memory compaction is also referred to as						
	<ul><li>a. defragmentation</li><li>b. collection</li></ul>				reallocation dynamic allocation		
		DTC	1		·		
	ANS: A	PIS:	1	REF:	45		
14.	Single-user, fixed partition, and dynamic partition memory schemes share unacceptable fragmentation characteristics that were resolved with the development of						
	<ul><li>a. deallocation</li><li>b. best-fit algorithm</li></ul>	ıs			relocatable dynamic partitions null entry accounting		
	ANS: C	PTS:	1	REF:	45		
15.	When reading an instruction, the operating system can tell the of each group of digits by its location in the line and the operation code.						
	<ul><li>a. function</li><li>b. value</li></ul>		•		order assignment		
	ANS: A	PTS.	1	REF:			
	71110. 71	115.	1	KLI.			
16.	In a relocatable dynamic partition scheme, the ensures that, during execution, a program won't try to access memory locations that don't belong to it.  a. relocation register c. compaction register						
	b. load register				bounds register		
	ANS: D	PTS:	1	REF:	48		
17.	In a relocatable dynamic partition scheme, the contains a value that must be added to each address referenced in a program so that the system will be able to access the correct memory addresses after relocation.						
	a. bounds register			c.	relocation register		
	b. load register				compaction register		
	ANS: C	PTS:	1	REF:	48		

18.	• •		•	th	ger optimizes the use of memory and thus improves an the other memory allocation schemes discussed main memory overhead
	ANS: D	PTS:	1	REF:	50
19.	One approach to perfa. byte b. percentage	forming	compaction is		when a certain of memory becomes busy. bit area
	ANS: B	PTS:	1	REF:	50
20.	The four memory maentire program being a. loaded into mem b. stored on disk  ANS: A	execut	ed must be	-· c.	ed in this chapter share the requirement that the written in a single language relocatable 50