Operating Systems Internals and Design Principles 7th Edition Stallings Test Bank

Full Download: https://alibabadownload.com/product/operating-systems-internals-and-design-principles-7th-edition-stallings-test-

Operating Systems: Internals and Design Principles, 7th Edition

Testbank

Chapter 1

Chapter 1 – Computer Systems Overview

TRUE/FALSE QUESTIONS:

1)	The processor controls the operation of the computer and performs its data processing functions.				
	Answer:	True	False		
2)	It is not pose		ommunications interrupt to occur while a printer interrupt is		
	Answer:	True 👩	False		
3)	A system bu	ıs transfers	data between the computer and its external environment.		
	Answer:	True 🏮	False		
4)	Cache mem	ory is invis	ible to the OS.		
	Answer:	True	False		
5)			ocessor can not be engaged in executing other instructions is in progress.		
	Answer:	True 🏮	False		
6)	Digital Sign	al Processo	rs deal with streaming signals such as audio and video.		
	Answer: 👩	True	False		
7)	The fetched	instruction	is loaded into the Program Counter.		
	Answer:	True 👩	False		
8)	Interrupts a	re provideo	d primarily as a way to improve processor utilization.		
	Answer: 👨	True	False		
9)	The interrup		r at any time and therefore at any point in the execution of a		
	Answer:	True	False		
10)	Over the year		y access speed has consistently increased more rapidly than		
	Answer:	True 👩	False		

Operatin	g Systems:	Internals a	nd Design Principles, 7th I	Edition	Testbank
11)	11) An SMP can be defined as a stand-alone computer system with two or more similar processors of comparable capability.				
	Answer: 👩	True	False		
12)	12) The Program Status Word contains status information in the form of condition codes, which are bits typically set by the programmer as a result of program operation.				
	Answer:	True 👩	False		
13)	13) An example of a multicore system is the Intel Core i7.				
	Answer: 👩	True	False		
14)	14) In a two-level memory hierarchy the Hit Ratio is defined as the fraction of all memory accesses found in the slower memory.				n of all
	Answer:	True 👩	False		
15)	The operat	0,	cts as an interface between t	he computer hardv	ware and the
	Answer: 👩	True	False		
MULTIP	LE CHOICI	<u>QUESTIO</u>	NS:		
1)	The four m	ain structur	l elements of a computer sy	stem are:	
	B) Proce C) Proce	ssor, I/O Mo ssor, Registe	Iemory, I/O Modules and Sydules, System Bus and Secons, Main Memory and Systems, I/O Modules and Main M	ndary Memory m Bus	
	Answer: A				
2)	The	holds t	ne address of the next instru	ction to be fetched	

B) Instruction Register (IR)

D) Program Counter (PC)

Chapter 1

Answer: D

A) Accumulator (AC)

C) Instruction Counter (IC)

Answer: B

Chapter 1

Ope	erating Systems: I	nternals and Design Prin	ciples, 7 th Edition	Testbank	Chapter 1			
		is a point-to-point link-speed communications an	_	•				
	A) QPI	B) DDR3	C) LRUA	D) ISR				
	Answer: A							
	10) Small, fast m	emory located between the	e processor and main me	emory is called:				
	A) Block m	•	B) Cache memo	-				
	C) Direct r	nemory	D) WORM mem	ory				
	Answer: B							
	11) In a uniproce	essor system, multiprogran	nming increases process	or efficiency by:				
A) Taking advantage of time wasted by long wait interrupt handlingB) Disabling all interrupts except those of highest priorityC) Eliminating all idle processor cyclesD) Increasing processor speed								
	Answer: A							
	12) The two basi	c types of processor registe	ers are:					
	A) User-vi	sible and user-invisible reg	risters					
		and user-invisible register						
	C) Control	and Status registers						
	D) User-vi	sible and Control/Status re	gisters					
	Answer: D							
	•	13) When an external device becomes ready to be serviced by the processor the device						
	sends a(n)	signal to the proce	essor.					
	A) access	B) halt	C) handler	D) interrupt				
	Answer: D							
	the hardware speculatively A) mappin C) intercor	_	patterns and attempts to					
	Answer: D							

Operati	ng Systems: Internals and Design Principle	s, 7 th Edition	Testbank			
15) A organization has a number of potential advantages over a uniprocessor organization including performance, availability, incremental growth, and scaling.					
	A) temporal locality C) direct memory access	B) symmetric mul D) processor statu	-			
	Answer: B					
SHORT	ANSWER QUESTIONS:					
1	The invention of the was the hard desktop and handheld computing.	ware revolution that	brought about			
	Answer: microprocessor					
2	To satisfy the requirements of handheld devi way to the, where not just the CPI also many of the other components of the sys and main memory.	Us and caches are or	the same chip, but			
	Answer: System on a Chip (SoC)					
3) The processing required for a single instruction is called a(n) cy			cycle.			
Answer: instruction						
4	4) The fetched instruction is loaded into the					
	Answer: Instruction Register (IR)					
Ę	5) When an external device is ready to accept more data from the processor, the I/O module for that external device sends an signal to the processor.					
	Answer: interrupt request					
e	The is a device for staging the mo and processor registers to improve performant programmer or processor.		-			
	Answer: cache					
7	External, nonvolatile memory is also referred	l to as or	auxiliary memory.			
	Answer: secondary memory					
8) When a new block of data is read into the cac cache location the block will occupy.	the the d	letermines which			
	Answer: mapping function					

Chapter 1

Operating Systems Internals and Design Principles 7th Edition Stallings Test Bank

Full Download: https://alibabadownload.com/product/operating-systems-internals-and-design-principles-7th-edition-stallings-test-Operating Systems: Internals and Design Principles, 7th Edition Testbank Chapter 1 9) In a _____ multiprocessor all processors can perform the same functions so the failure of a single processor does not halt the machine. Answer: symmetric 10) A _____ computer combines two or more processors on a single piece of silicon. Answer: multicore 11) A Control/Status register that contains the address of the next instruction to be fetched is called the _____. Answer: Program Counter (PC) 12) Each location in Main Memory contains a _____ value that can be interpreted as either an instruction or data. Answer: binary number 13) A special type of address register required by a system that implements user visible stack addressing is called a _____. Answer: stack pointer 14) Registers that are used by system programs to minimize main memory references by optimizing register use are called ______. Answer: user-visible registers 15) The concept of multiple programs taking turns in execution is known as _____ Answer: multiprogramming