UPES

UNIVERSITY OF PETROLEUM AND ENERGY STUDIES
End Semester Examination, 2020
Course: Cloud Performance Tuning   Course Code: CSVT4002
Semester: IV
Program: B Tech CSE+CCVT

H   Tests, Surveys and Pools   Tests

Test Canvas : End Sem Exam " CLOUD PERFORMANCE TUNING" CSVT4002 14 JULY 2020

Edit Mode is: N

This Test has 114 attempts. For information on editing questions, click **More Help** below.

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↑↓   Question Settings

You can edit, delete or change the point values of test questions on this page. If necessary, test attempts will be regraded after you submit your changes.

Description	Dear Student,
	1) All the very best for your End Semester Exams
	2) Attempt every question
	3) 40 Questions are of two marks each
	4) 20 Questions are of one mark each
	5) The time is 2 hours "from 2:00 to 4:00".
Instructions	Dear Student,
	1) All the very best for your End Semester Exams
	2) Attempt every question
	3) 40 Questions are of two marks each
	4) 20 Questions are of one mark each
	5) The time is 2 hours "from 2:00 to 4:00".
Total Questions	60
Total Points	100
Number of Attempts	114

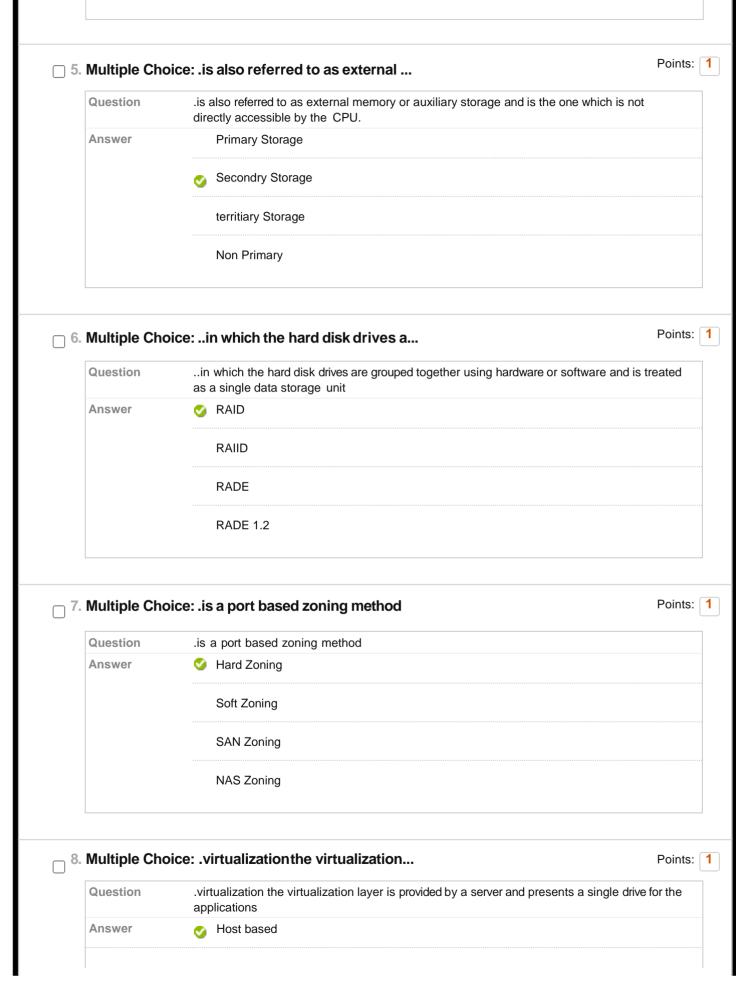Select: All None   Select by Type: - Question Type - ⌄

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1. Multiple Choice: Cloud performance management tools ar...

Points: **1**

Question	Cloud performance management tools are usually used to know
Answer	cloud servers
	processor
	memory
	✅ all of the above

2. Multiple Choice: Tuning of the network typically is co...

Points: **1**

Question	Tuning of the network typically is configuration within
Answer	✅ routers
	hub
	port number
	Port id

3. Multiple Choice: The client server type of services in...

Points: **1**

Question	The client server type of services includes
Answer	✅ File Server
	Print Server
	Database Server
	Data Mining

4. Multiple Choice: Programs or instructions require memo...

Points: **1**

Question	Programs or instructions require memory to store data and perform intermediate computations
Answer	✅ Memory Workload
	CPU workload
	Input output Workload
	internet Workload

5. Multiple Choice: .is also referred to as external ...   Points: **1**

Question	.is also referred to as external memory or auxiliary storage and is the one which is not directly accessible by the CPU.
Answer	Primary Storage
	✅ Secondry Storage
	territiary Storage
	Non Primary

6. Multiple Choice: ..in which the hard disk drives a...   Points: **1**

Question	..in which the hard disk drives are grouped together using hardware or software and is treated as a single data storage unit
Answer	✅ RAID
	RAIID
	RADE
	RADE 1.2

7. Multiple Choice: .is a port based zoning method   Points: **1**

Question	.is a port based zoning method
Answer	✅ Hard Zoning
	Soft Zoning
	SAN Zoning
	NAS Zoning

8. Multiple Choice: .virtualizationthe virtualization...   Points: **1**

Question	.virtualization the virtualization layer is provided by a server and presents a single drive for the applications
Answer	✅ Host based

Appliance Based

Network Based

client based

☐ **9. Multiple Choice: ..based virtualization is similar ...**   Points: **1**

Question	..based virtualization is similar to the appliance based except that it works at the switching level.
Answer	✅ Network based
	Appliance Based
	Host based
	client based

☐ **10. Multiple Choice: ..features of Operating System**   Points: **1**

Question	..features of Operating System
Answer	Multiuser
	Multiprocessing
	Multitasking
	✅ all of the above

☐ **11. Multiple Choice: ...is an Idle Detection System use...**   Points: **1**

Question	...is an Idle Detection System used for computer power management developed at Digital Research
Answer	Data Max
	✅ Battery Max
	Power Isolation
	none of the above

☐ **12. Multiple Choice: " ..management includes processes ...**   Points: **1**

Question	" ..management includes processes such as resource discovery (includes resource scheduling), resource allocation and resource monitoring."
Answer	✅ Resource Management
	Buffer Management
	Buffer Pooling
	none of the above

☐ **13. Multiple Choice: "The nmon tool is designed for AIX an...**   Points: **1**

Question	"The nmon tool is designed for AIX and Linux performance specialists to use for monitoring and analyzing performance data, including:"
Answer	CPU Utilization
	Memory Use
	Kernel Statistics
	✅ all of the above

☐ **14. Multiple Choice: States that the number of transistors...**   Points: **1**

Question	States that the number of transistors on a chip doubles about every two years
Answer	✅ Moores Law
	Amdahals Law
	Charles Law
	taylors law

☐ **15. Multiple Choice: .core processors are two separate...**   Points: **1**

Question	.core processors are two separate physical processors combined onto a single processor socket
Answer	Single
	Three Core
	✅ Dual
	Quad

16. **Multiple Choice: .processors are also based on the ...**

Points: **1**

Question	.processors are also based on the Intel Core microarchitecture as described in the following Intel core microarchitecture topic.
Answer	✅ clower towon
	intel
	8201 intel
	8205

17. **Multiple Choice: " ..execution, 32 KB instruction and ...**

Points: **1**

Question	" ..execution, 32 KB instruction and 32 KB data for data trace cache in each core is used to store micro-operations "
Answer	✅ L1 cache
	L2 Cache
	RAM
	SSD

18. **Multiple Choice: " ...is used commonly in servers tod...**

Points: **1**

Question	" ...is used commonly in servers today, and this memory type continues to evolve to keep pace with modern processors"
Answer	✅ SD RAM
	GD RAM
	ROM
	SSD

19. **Multiple Choice: The CPU accesses memory DIMMs through...**

Points: **1**

Question	The CPU accesses memory DIMMs through the separate memory controller or north bridge.
Answer	NUMA

✅ SPM

SEM

SMU

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20. **Multiple Choice: "Is a software which performs all the...**   Points: **1**

Question	"Is a software which performs all the basic tasks like file management, memory management, process management, handling input and output, and controlling peripheral devices such as disk drives and printers"
Answer	VMX
	SMX
	✅ OS
	SMX

---

21. **Multiple Choice: The OS decides which process gets the...**   Points: **2**

Question	The OS decides which process gets the processor when and for how much time
Answer	Thread optimizer
	Process optimizer
	✅ Process Scheduling
	TCMP

---

22. **Multiple Choice: ...system is normally organized into ...**   Points: **2**

Question	...system is normally organized into directories for easy navigation and usage.
Answer	✅ Files System
	Data base System
	Compiler System
	Interpretor

---

23. **Multiple Choice: " . contains the temporary data such ...**   Points: **2**

Question	" . contains the temporary data such as method/function parameters, return address and local variables."
Answer	Heap
	✓ Stack
	linklist
	none

---

24. Multiple Choice: ..dynamically allocated memory to a...

Points: **2**

Question	..dynamically allocated memory to a process during its run time.
Answer	✓ Heap
	Stack
	linklist
	none

---

25. Multiple Choice: "The addresses used in a source code....

Points: **2**

Question	"The addresses used in a source code. The variable names, constants, and instruction labels are the basic elements of the symbolic address space."
Answer	✓ Symbolic Address
	relative
	physical
	relational

---

26. Multiple Choice: "is an operating system intended to s...

Points: **2**

Question	"is an operating system intended to serve real time application that process data as it comes in, mostly without buffer delay. "
Answer	✓ rtos
	mtos
	stos
	epos

27. Multiple Choice: "is the process of controlling and co...

Points: **2**

Question	"is the process of controlling and coordinating computer memory, assigning portions known as blocks to various running programs to optimize the overall performance of the system."
Answer	Schduling
	✅ memory management
	memory hireachy
	memory traversing

28. Multiple Choice: "By means of password and similar oth...

Points: **2**

Question	"By means of password and similar other techniques, it prevents unauthorized access to programs and data."
Answer	Job accounting
	Control over system
	Error detectin
	✅ Security

29. Multiple Choice: "Production of dumps, traces, error m...

Points: **2**

Question	"Production of dumps, traces, error messages, and other debugging and error detecting aids."
Answer	Job accounting
	Control over system
	✅ Error detectin
	Security

30. Multiple Choice: It is a data structure that is mainta...

Points: **2**

Question	It is a data structure that is maintained by the Operating System for every process.
Answer	DCB

✅ PCB

DSB

NSB

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31. Multiple Choice: "Command writes to standard output ac...

Points: **2**

Question	"Command writes to standard output activities for each available processor, processor 0 being the first one"
Answer	MSTAT
	✅ MPSTAT
	MESTAT
	MZSTAT

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32. Multiple Choice: "Linux/Unix is a performance monitori...

Points: **2**

Question	"Linux/Unix is a performance monitoring command of the system as it gives the information about processes, memory, paging, block IO, disk and CPU scheduling. All these functionalities makes the command vmstat also known as virtual memory statistic reporter"
Answer	MSTAT
	MPSTAT
	MESTAT
	✅ VMSTAT

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33. Multiple Choice: The kernel is not aware of the existe...

Points: **2**

Question	The kernel is not aware of the existence of threads
Answer	KLTS
	✅ ULTS
	SLTS
	MLTS

34. **Multiple Choice: "virtualization allows organizations ...**   Points: **2**

Question	"virtualization allows organizations to make better use of server hardware resources, but the extra utilization comes at a price"
Answer	hardware Virtualization
	✅ Server Virtualization
	Network Virtualization
	Data centre

35. **Multiple Choice: will allow you to store the page file...**   Points: **2**

Question	will allow you to store the page file in a location of your choosing
Answer	Xen
	✅ Vm Ware
	Xen 2
	Xen 3

36. **Multiple Choice: is to support more virtual machines (...**   Points: **2**

Question	is to support more virtual machines (VMs) than there is physical memory available for on the server
Answer	Data Organization
	Thread optimizer
	✅ Memory overcommitment
	Thread Scheduler

37. **Multiple Choice: will check the capabilities of the st...**   Points: **2**

Question	will check the capabilities of the storage attached to Hyper-V
Answer	Hyper -V-1
	HYPERV-1
	✅ Hyper V

hyper v-0.2

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38. **Multiple Choice: Enables hypervisors to run an unmodif...**

Points: **2**

Question	Enables hypervisors to run an unmodified guest operating
Answer	✅ full virtualization
	para virtualization
	virtualization
	numa virtualization

---

39. **Multiple Choice: Involves explicitly modifying guest o...**

Points: **2**

Question	Involves explicitly modifying guest operating system
Answer	full virtualization
	✅ para virtualization
	virtualization
	numa virtualization

---

40. **Multiple Choice: Runs directly on the system hardware**

Points: **2**

Question	Runs directly on the system hardware
Answer	✅ Hypervisor -1
	hypervisor -2
	hyperv
	hyper v-0.2

---

41. **Multiple Choice: Runs virtual machines on top of a hos...**

Points: **2**

Question	Runs virtual machines on top of a host OS
Answer	Hypervisor -1
	✅ hypervisor -2

hyperv

hyper v-0.2

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42. **Multiple Choice: Automatically expand in predefined in...**

Points: **2**

Question	Automatically expand in predefined increments known as extends
Answer	Data Server
	✅ Data Files
	Database Server
	data integration

---

43. **Multiple Choice: Logical grouping of several data file...**

Points: **2**

Question	Logical grouping of several data files that store data with similar characteristics
Answer	✅ Table Space
	Table mapping
	database mapping
	data integration

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44. **Multiple Choice: Introduced in the processing of an I/...**

Points: **2**

Question	Introduced in the processing of an I/O operation that slows the system
Answer	throughput
	✅ delay
	unlocking deadlocks
	none

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45. **Multiple Choice: Number of different values a column c...**

Points: **2**

Question	Number of different values a column could possibly have
Answer	✅ Data Sparsity

data integrity

data centric

---

46. Multiple Choice: Special instructions for the optimize...

Points: **2**

Question	Special instructions for the optimizer embedded in the SQL command text
Answer	✅ Optimizer Hints
	optimizer
	scheduler
	none

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47. Multiple Choice: Includes managing DBMS processes in p...

Points: **2**

Question	Includes managing DBMS processes in primary memory and structures in physical storage
Answer	✅ Dbs tuning
	os tuning
	hardware tuning
	none

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48. Multiple Choice: ...is the amount of memory allocated...

Points: **2**

Question	...is the amount of memory allocated to applications running in the JVM.
Answer	✅ Java Heap
	Data Structure
	heap
	java tuning

---

49. Multiple Choice: ..provides the entire necessary inf...

Points: **2**

Question	..provides the entire necessary infrastructure to host enterprise application

Answer	✅ Application Server
	Database Server
	network server
	Hypervisor Server

---

50. Multiple Choice: " ... which is usually transactional ...

Points: **2**

Question	" ... which is usually transactional based or heavily used, must have an application server with built-in redundancy, high availability, and performance oriented like WebSphere Application Server"
Answer	✅ Enterprise Application
	Database Application
	Hybernet Application
	Websphere Application

---

51. True / False: AIX support by websphere

Points: **2**

Question	AIX support by websphere
Answer	✅ True
	False

---

52. Multiple Choice: provides configuration flexibility th...

Points: **2**

Question	provides configuration flexibility that can fit in any requirement in production or non-production environment within budget.
Answer	✅ Standalone Topology
	Workalone Topology
	Network Topology
	none

---

53. Multiple Choice: "Probably the most used and advanced ...

Points: **2**

Question	"Probably the most used and advanced topology, which can have multiple JVM running on the same server or different server."

Answer	Standalone Topology
	Workalone Topology
✅	Network deployment Topology
	none

☐ **54. Multiple Choice: to manage all registered nodes using ...**　　　　Points: **2**

Question	to manage all registered nodes using administrative agent console.
Answer	Standalone Topology
	Workalone Topology
✅	Administrator Topology
	none

☐ **55. Multiple Choice: Binary logging which is faster than t...**　　　　Points: **2**

Question	Binary logging which is faster than text logging. This helps in runtime performance
Answer ✅	HPEL
	HPCL
	HPAL
	none

☐ **56. Multiple Choice: support more resilient processing**　　　　Points: **2**

Question	support more resilient processing
Answer	SMIP
✅	SIP
	MIP
	none

Points: **2**

57. Multiple Choice: ..has the role of managing memory...

Question	..has the role of managing memory allocation so that the programmer needs not to.
Answer	Data Collector
	meta data collector
	✅ garbage collector
	application collector

58. Multiple Choice: .this process and as per the JVM ga...

Points: **2**

Question	.this process and as per the JVM garbage collection process is done or else withheld.
Answer	JVM offset
	JVM runtime
	✅ JVM trigger
	JVM application

59. Multiple Choice: ...logical part of the heap area and...

Points: **2**

Question	...logical part of the heap area and is created on virtual machine startup
Answer	✅ Heap Area
	Stack Area
	Method Area
	queue Area

60. Multiple Choice: ..thread which carries out the task...

Points: **2**

Question	..thread which carries out the task of a specific method has a program counter register associated with it.
Answer	Java
	✅ JVM
	OS
	application

Select: All None   Select by Type: - Question Type - ⌄

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← OK