



Virtual University

About Us

CS604
Solved Final Term Paper 3

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Year
2017

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بِسْمِ اللَّهِ الرَّحْمَنِ الرَّحِيمِ

In the Name of Allāh, the Most Gracious, the Most Merciful

Paper Pattern

MCQS 40 each 1 mark
Short 4 each 2 marks
Short 4 each 3 marks
long 4 each 5 marks

Question No : 12 of 52	Marks: 1 (Budgeted Time 1 Min)
The process of holding at least one resource and waiting to acquire additional resources that are currently being held by other processes is known as _____.	
Answer (Please select your correct option)	
<input type="radio"/> Mutual exclusion <input type="radio"/> Hold and wait <input type="radio"/> No preemption <input type="radio"/> Circular wait	WWW.VirtualAcademyLive.com Made by: Waqar Siddhu
Question No : 13 of 52	
The problem of Deadlocks can be solved by _____ method(s).	
Answer (Please select your correct option)	
<input type="radio"/> Deadlock prevention <input type="radio"/> Deadlock avoidance <input type="radio"/> Allowing deadlock and recovery <input type="radio"/> All of the given	WWW.VirtualAcademyLive.com Made by: Waqar Siddhu

Question No : 14 of 52		Marks: 1 (Budgeted Time 1 Min)
The most important property of the working set is its _____.		
Answer (Please select your correct option)		WWW.VirtualAcademyLive.com
<input type="radio"/>	delay	Made by: Waqar Siddhu
<input type="radio"/>	thrashing	
<input type="radio"/>	time	
<input type="radio"/>	size	
Question No : 15 of 52		Marks: 1 (Budgeted Time 1 Min)
In _____, the library files are linked at load time.		
Answer (Please select your correct option)		WWW.VirtualAcademyLive.com
<input type="radio"/>	Static Linking	Made by: Waqar Siddhu
<input type="radio"/>	Dynamic Linking	
<input type="radio"/>	Non of these	
<input type="radio"/>	both of these	
Question No : 16 of 52		Marks: 1 (Budgeted Time 1 Min)
Intel 80386 used paged segmentation with _____ level paging.		
Answer (Please select your correct option)		WWW.VirtualAcademyLive.com
<input type="radio"/>	One	Made by: Waqar Siddhu
<input type="radio"/>	Two	
<input type="radio"/>	Three	
<input type="radio"/>	Four	

Question No : 17 of 52

Marks: 1 (Budgeted Time 1 Min)

When the process tries to access locations that are not in memory, the hardware traps the operating system. This is called as _____.

Answer (Please select your correct option)

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☐ Page Fault

ans

☐ Page replacement

☐ Segmentation

☐ Paging

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Question No : 18 of 52

Marks: 1 (Budgeted Time 1 Min)

In _____ frame allocation scheme free frames are equally divided among processes

Answer (Please select your correct option)

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☐ Fixed

ans

☐ Proportional

☐ Priority

☐ All of the given

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Question No : 19 of 52

Marks: 1 (Budgeted Time 1 Min)

ln -s command is used to create a _____ link

Answer (Please select your correct option)

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☐ Soft

☐ Hard

☐ Soft or Hard

☐ None of the given options

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Question No : 20 of 52		Marks: 1 (Budgeted Time 1 Min)	
The major advantage of multi-programming system is			
Answer (Please select your correct option)		WWW.VirtualAcademyLive.com	
<input type="radio"/>	CPU utilization increases		
<input type="radio"/>	Jobs can be completed quickly		
<input type="radio"/>	The operating system keeps several jobs in memory simultaneously		
<input type="radio"/>	All of the options are correct		
ans		Made by: Waqar Siddhu	
Question No : 21 of 52		Marks: 1 (Budgeted Time 1 Min)	
The main disadvantage of semaphore is -----			
Answer (Please select your correct option)		WWW.VirtualAcademyLive.com	
<input type="radio"/>	Context switching		
<input type="radio"/>	Busy waiting	ans	
<input type="radio"/>	Synchronization		
<input type="radio"/>	None of the given options		
		Made by: Waqar Siddhu	
Question No : 22 of 52		Marks: 1 (Budgeted Time 1 Min)	
A set of processes are said to be in ----- condition if each process in the set is waiting for an event that only another process in the set can cause (including itself).			
no idea			
Answer (Please select your correct option)		WWW.VirtualAcademyLive.com	
<input type="radio"/>	Mutual exclusion		
<input type="radio"/>	Deadlock		
<input type="radio"/>	Release		
<input type="radio"/>	Lock		
		Made by: Waqar Siddhu	

Question No : 23 of 52

Marks: 1 (Budgeted Time 1 Min)

Deadlocks can be described more precisely in terms of

Answer (Please select your correct option)

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☐

Directed Graph

☐

Critical path

☐

Resource allocation graph

☐

Mixed graph

ans

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Question No : 24 of 52

Marks: 1 (Budgeted Time 1 Min)

Which command, displays permissions and some other attributes for prog1.c in your current directory?

Answer (Please select your correct option)

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☐

ls -l prog1.c

☐

ls -d prog1.c

☐

ls file prog1.c

☐

ls -l prog1.c /Directory

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Question No : 25 of 52

Marks: 1 (Budgeted Time 1 Min)

A modification of free-list approach in free space management is to store the addresses of n free blocks in the first free block is known as

out of

Answer (Please select your correct option)

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☐

counting

☐

linked list

☐

bit vector

☐

grouping

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Question No : 26 of 52

Marks: 1 (Budgeted Time 1 Min)

Files that start with a ----- in UNIX/Linux directory structure are known as hidden files .

Answer (Please select your correct option)

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☐ . (dot)

ans

☐ # (hash)

☐ / (slash)

☐ ~ (tilt)

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Question No : 27 of 52

Marks: 1 (Budgeted Time 1 Min)

The -----system call is used to open or create a file.

Answer (Please select your correct option)

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☐ open()

ans

☐ read()

☐ write()

☐ close()

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Question No : 28 of 52

Marks: 1 (Budgeted Time 1 Min)

_____ is the name of the technique that is designed to get rid of deadlocks by changing the specifications of the system.

Answer (Please select your correct option)

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☐ Deadlock avoidance

☐ Deadlock prevention

☐ Deadlock

☐ Deadlock free

ans

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Question No : 29 of 52

Marks: 1 (Budgeted Time 1 Min)

Linux is a version of

Answer (Please select your correct option)

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☐

Windows

☐

Solaris

☐

Unix

☐

Mac

ans

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Question No : 30 of 52

Marks: 1 (Budgeted Time 1 Min)

Memory can be protected by using

Answer (Please select your correct option)

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☐

Base register and program counter

☐

Base register and memory address register

☐

Base register and Limit register

☐

Limit register and program counter

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Question No : 31 of 52

Marks: 1 (Budgeted Time 1 Min)

Round robin is very good for _____ where response is an important issue

Answer (Please select your correct option)

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☐

Scope

☐

Batch system

☐

Time sharing system

☐

None of the given

ans

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Question No : 32 of 52		Marks: 1 (Budgeted Time 1 Min)
Semaphore can be used for solving _____.		
Answer (Please select your correct option)		WWW.VirtualAcademyLive.com
<input type="radio"/>	Wait & signal	ans
<input type="radio"/>	Deadlock	
<input type="radio"/>	Synchronization	
<input type="radio"/>	Priority	
Made by: Waqar Siddhu		
Question No : 33 of 52		Marks: 1 (Budgeted Time 1 Min)
In one of the deadlock prevention methods, impose a total ordering of all resource types, and require that each process requests resources in an increasing order of enumeration. This violates the _____ condition of deadlock		
Answer (Please select your correct option)		WWW.VirtualAcademyLive.com
<input type="radio"/>	Mutual exclusion	ans
<input type="radio"/>	Hold and Wait	
<input type="radio"/>	Circular Wait	
<input type="radio"/>	No Preemption Right	
Made by: Waqar Siddhu		
Question No : 34 of 52		Marks: 1 (Budgeted Time 1 Min)
Which of the following is NOT a valid deadlock prevention scheme?		
Answer (Please select your correct option)		WWW.VirtualAcademyLive.com
<input type="radio"/>	Release all resources before requesting a new resource	i think.....
<input type="radio"/>	Number the resources uniquely and never request a lower numbered resource than the last one requested.	
<input type="radio"/>	Never request a resource after releasing any resource	
<input type="radio"/>	Request and all required resources be allocated before execution.	
Made by: Waqar Siddhu		

Question No : 35 of 52

Marks: 1 (Budgeted Time 1 Min)

_____ page replacement algorithm suffers from Belady's anomaly.

Answer (Please select your correct option)

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☐ LRU

☐ MRU

☐ FIFO

☐ LIFO

ans

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Question No : 36 of 52

Marks: 1 (Budgeted Time 1 Min)

Thrashing _____

ni ata

Answer (Please select your correct option)

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☐ Reduces page I/O

☐ Decreases the degree of multiprogramming

☐ Implies excessive page I/O

☐ Improve the system performance

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Question No : 37 of 52

Marks: 1 (Budgeted Time 1 Min)

In memory management , a technique called as paging, physical memory is broken into fixed-sized blocks called _____

Answer (Please select your correct option)

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☐ Pages

☐ Frames

☐ Blocks

☐ Segments

ans

Made by: Waqar Siddhu

Question No : 38 of 52

Marks: 1 (Budgeted Time 1 Min)

Where does the swap space reside ?

Answer (Please select your correct option)

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RAM

☐

Disk

☐

ROM

☐

On-chip cache

☐

ans

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Question No : 39 of 52

Marks: 1 (Budgeted Time 1 Min)

_____ happens when a dynamic memory allocation algorithm allocates some memory and a small piece is left over that cannot be effectively used.

Answer (Please select your correct option)

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Fragmentation

☐

Segmentation

☐

External Fragmentation

☐

Internal Fragmentation

☐

ans

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Question No : 40 of 52

Marks: 1 (Budgeted Time 1 Min)

Which of the following statements is true for the Banker's algorithm?

Answer (Please select your correct option)

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It cannot be used for a system with many resources, each of which is unique with no multiple copies.

☐

It is used to detect deadlock.

☐

An unsafe situation will always lead to a deadlock.

☐

It is not applicable when many users share a resource simultaneously.

☐

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Question No : 1 of 52

Marks: 1 (Budgeted Time 1 Min)

A -----system collects physically separate, possibly heterogeneous, systems into a single coherent system, providing the user with access to the various resources that the system maintains

Answer (Please select your correct option)

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☐ Distributed

ans

☐ Real-time

☐ Single user

☐ Time-sharing

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Question No : 2 of 52

Marks: 1 (Budgeted Time 1 Min)

The process of switching from one process to another is called -----

Answer (Please select your correct option)

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☐ context switching

☐ scheduling

☐ quantum period

☐ latency

ans

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Question No : 3 of 52

Marks: 1 (Budgeted Time 1 Min)

Variable names are ----- addresses

Answer (Please select your correct option)

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☐ Physical

☐ Relocatable

☐ Relative

☐ Symbolic

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Question No : 4 of 52

Marks: 1 (Budgeted Time 1 Min)

The set of all logical addresses generated by a program form the -----of a process.

Answer (Please select your correct option)

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☐ Process address space

☐ Physical address space

ans

☐ Logical address space

☐ None of the given options

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Question No : 5 of 52

Marks: 1 (Budgeted Time 1 Min)

Physical memory is broken down into fixed-sized blocks, called----- and Logical memory is divided into blocks of the same size, called -----

Answer (Please select your correct option)

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☐ Frames, pages

ans

☐ Pages, Frames

☐ Frames, holes

☐ Holes, segments

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Question No : 6 of 52

Marks: 1 (Budgeted Time 1 Min)

-----is the separation of user logical memory from physical memory

Answer (Please select your correct option)

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☐ Physical memory

☐ ROM

☐ Virtual Memory

ans

☐ None of the given options

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Question No : 7 of 52		Marks: 1 (Budgeted Time 1 Min)
<p>In _____ allocation scheme free frames are equally divided among processes</p>		
Answer (Please select your correct option)		WWW.VirtualAcademyLive.com
<input type="radio"/>	Fixed Allocation	ans
<input type="radio"/>	Propotional Allocation	
<input type="radio"/>	Priority Allocation	
<input type="radio"/>	None of the given options	
		Made by: Waqar Siddhu
Question No : 8 of 52		Marks: 1 (Budgeted Time 1 Min)
<p>_____ is created by the system when a symbolic link is created to an existing file, allowing you to rename the existing file and share it without duplicating its contents</p>		
Answer (Please select your correct option)		WWW.VirtualAcademyLive.com
<input type="radio"/>	Directory	
<input type="radio"/>	Character-special file	
<input type="radio"/>	Ordinary File	
<input type="radio"/>	Link File	
		Made by: Waqar Siddhu
Question No : 9 of 52		Marks: 1 (Budgeted Time 1 Min)
<p>The _____ algorithm selects the request with the minimum seek time from the current head position</p>		
Answer (Please select your correct option)		WWW.VirtualAcademyLive.com
<input type="radio"/>	Scan	
<input type="radio"/>	SSTF	
<input type="radio"/>	Look	
<input type="radio"/>	C-Look	
		Made by: Waqar Siddhu

Question No : 10 of 52		Marks: 1 (Budgeted Time 1 Min)
The Operating system is a layer of software between _____ and _____		
Answer (Please select your correct option)		WWW.VirtualAcademyLive.com
<input type="radio"/>	Hardware, software application	ans
<input type="radio"/>	Kernel, hardware	
<input type="radio"/>	Dos, Windows	
<input type="radio"/>	Windows, Kernel	
Question No : 11 of 52		Marks: 1 (Budgeted Time 1 Min)
Wrong use of wait and signal operations (in context with semaphores) can cause _____ problem(s).		
Answer (Please select your correct option)		WWW.VirtualAcademyLive.com
<input type="radio"/>	Mutual Exclusion	ans
<input type="radio"/>	Deadlock	
<input type="radio"/>	Bounded Waiting	
<input type="radio"/>	All of the given options are correct	

Made by: Waqar Siddhu

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