CS-604 Operating System

Update MCQS For Mid Term

Solve By Vu Topper RM

85% To 100% Marks

بری صحبت سے تنہائی بہتر ہے اور تنہائی سے نیک صحبت بہتر ہے

For More Help Contact What's app 03224021365

The procedure "The time at which the process finished working MINUS the arrival time of the process MINUS CPU burst for that process" will help calculate the _____.

A. FCFS
B. RR Scheduling
C. Preemptive Shortest Job First scheduling. Page 82
D. Non-preemptive Shortest Job First scheduling.

Consider three processes in scheduling .Here are the waiting times for the three processes P1 = 4; P2 = 2; P3 = 6. Which one of the following is correct average waiting time per process?

A. 6
B. 4
C. 2
D. 3

In the bakery algorithm to solve the critical section problem _____

A. Each process receives a number (may or may not be unique) and the one with the lowest number is served next Page 102
B. Each process is put into a queue and picked up in an ordered manner
C. Each process gets a unique number and the one with the lowest number is served next
D. Each process gets a unique number and the one with the highest number is served next

_____ is a solution to critical section problem.

A. Safety algorithm
B. Banker's algorithm
C. Dijkstra's algorithm
D. Lamport's bakery algorithm

Keep in mind scheduling algorithm, when you go to any famous fast food franchise .On entering the store, each customer receives a number. The customer with the lowest number is served next. This algorithm is called----------.

بری صحبت سے تنہائی بہتر ہے اور تنہائی سے نیک صحبت بہتر ہے

For More Help Contact What's app 03224021365

VuTopper RM

A. Simple algorithm
B. Bakery algorithm **Page 102**
C. Dijkastra algorithm
D. Deadlock algorithm

In Unix/Linux environment Ali want to know the number of processes running on the system and their status, number of CPUs in the system and their usage, amount of main memory and its usage. Which of the following command will help in this regard?
A. $ ps
B. $ gcc
C. $ top **Page 64**
D. $ fifo

A process having multiple threads of control implies _____
A. it has to use only one thread per process
B. it can't do library call
C. it can do only one task at a time, but much faster
D. it can do more than one task at a time

Which of the following is not True for a time-sharing system?
A. Multi user
B. Interactive
C. Rigid time requirements
D. CPU sit idle when a process requires I/O operation

The main characteristic of a Real time system is
A. Efficiency
B. Usability
C. Large Virtual Memory
D. Large secondary storage device

In indirect communication between processes P and Q _____
A. A link is associated with exactly two processes
B. There is a mailbox to help communication between P and Q
Page 44 ok
C. There is another machine between the two processes to help communication

بری صحبت سے تنہائی بہتر ہے اور تنہائی سے نیک صحبت بہتر ہے
For More Help Contact What's app 03224021365
VU Topper RM

D. There is another process R to handle and pass on the messages between P and Q

Which is not considered a role of an operating system?

A. Program execution
B. Protection of a user's files and directories
C. Synchronization of cooperating processes
D. Memory allocation and de-allocation of a process

Given below two statements can be categorized in some sort of message passing techniques. This type is named as _____.
Send (A, message) •Receive (B, message)

A. Send by copy commuincation
B. Explicit buffering
C. Synchronization
D. Direct communication

_____view is that operating system is a resource manager.

A. Down-up
B. Single-up
C. Top-down
D. bottom-up

The kernel is a computer program that manages _____requests from software

A. Process
B. Software
C. Hardware
D. Input/output

If size of a process is 376052 bytes and its smallest physical memory address is 242785. Its address space cannot exceed beyond _____.

A. 376053
B. 618836
C. 618837
D. 376051

بری صحبت سے تنہائی بہتر ہے اور تنہائی سے نیک صحبت بہتر ہے

For More Help Contact What's app 03224021365

Vu Topper RM

_____ commands in Linux is used to copy file

A. Is
B. Cp
C. Mv
D. Mkdir

How many modes are supported in operating system?

A. 1
B. 2
C. 3
D. 4

Question No:1 (Marks:01) Vu-Topper RM

First _____ entries in Per Process File Descriptor Table are used as soon as the process is created.

A. 1
B. 2
C. 3 Page 52 ok
D. 4

Question No:2 (Marks:01) Vu-Topper RM

In Unix/Linux environment, Ayesha wants to know the complete picture of current processes in her session. Which of the following command will help her in this regard?

E. $ ps Page 63 ok
F. $ gcc
G. $ top
H. $ fifo

Question No:3 (Marks:01) Vu-Topper RM

To display all processes _____ option is used with ps command.

A. -1
B. -e Page 53 ok
C. -u
D. -a

بری صحبت سے تنہائی بہتر ہے اور تنہائی سے نیک صحبت بہتر ہے

For More Help Contact What's app 03224021365

Vu Topper RM

Question No:4 (Marks:01) Vu-Topper RM

_____ commands in Linux helps to create a new directory.

A. Is
B. Cp
C. Mv
D. Mkdr Page 26 ok

Question No:5 (Marks:01) Vu-Topper RM

When processes are generated using fork () system call and then after that they are coordinated with each other using IPC channel. They are utilizing a separate address space for each of process (parent, child),, kernel resources and IPC channel. This makes it a more heavy. Which strategy can be used to make it light?

A. Use of thread Page 67 ok
B. Use of batch systems
C. Scheduling of each process
D. Termination of child process when these become more

Question No:6 (Marks:01) Vu-Topper RM

The file descriptor for Standard input (stdin) is _____

A. 0 Page 52 ok
B. 1
C. 2
D. 3

Question No:7 (Marks:01) Vu-Topper RM

Which is not a parameter of pthread_create().

A. Function
B. Thread ID
C. Return status Page 73 ok
D. Thread attributes

Question No:8 (Marks:01) Vu-Topper RM

Which could not be the advantage of thread?

A. Economical
B. Quick response
C. Separate address space Page 69 ok
D. Best in multiprocessing environment

بری صحبت سے تنہائی بہتر ہے اور تنہائی سے نیک صحبت بہتر ہے

For More Help Contact What's app 03224021365

Vu Topper RM

Question No:9 (Marks:01) Vu-Topper RM
In round-robin (RR) scheduling algorithm the CPU scheduler goes around the ready queue, allocating the CPU to each process for a time interval of up to ____ time quantum.

A. 1 Page 85 ok
B. 2
C. 3
D. 4

Question No:10 (Marks:01) Vu-Topper RM
When a process has undivided access to a shared piece of code then no other process can execute this code, this state is called _____.

A. Progress
B. Race condition
C. Bounded waiting
D. Mutual exclusion Page 98

Question No:11 (Marks:01) Vu-Topper RM
The kernel is _____ user threads.

A. Is part of
B. Aware of
C. Unaware of Page 70 ok
D. The creater of

Question No:12 (Marks:01) Vu-Topper RM
As a result of <Ctrl-C>, a SIGINT signal is sent to a process. Signal number for SIGINT is _____.

A. 1
B. 2 Page 66
C. 9
D. 15

Question No:13 (Marks:01) Vu-Topper RM
The segment of code in which the process may change common variables, update tables, write into files is known as _____

A. Program

بری صحبت سے تنہائی بہتر ہے اور تنہائی سے نیک صحبت بہتر ہے
For More Help Contact What's app 03224021365
Vu Topper RM

B. Synchronizing
C. Critical section Page 102 ok
D. Non-critical section

Question No:14 (Marks:01) Vu-Topper RM
_____ are lowest prioritized processes for scheduling in Kernel Group.
A. User processes Page 90 ok
B. Block I/O control processes
C. File manipulation processes
D. Character I/O device control processes

Question No:15 (Marks:01) Vu-Topper RM
The scheduling of _____ are done by the operating system.
A. Kernel threads Google ok
B. User level threads
C. Both
D. None of these

Question No:16 (Marks:01) Vu-Topper RM
Which of the following information is not displayed with top command?
A. Nice value
B. CPU Usage
C. Top processes
D. Number of threads in a process Page 64 ok

Question No:17 (Marks:01) Vu-Topper RM
In multi-threaded process thread () take two arguments, they are used to take _____ and _____.
A. New thread ID, process name
B. Register count, program counter
C. Program counter value, address space limit.
D. New thread function name, new thread ID Page 68

Question No:18 (Marks:01) Vu-Topper RM
To terminate a process <ctrl-c> is pressed, which signal it actually pass to process for termination?

بری صحبت سے تنہائی بہتر ہے اور تنہائی سے نیک صحبت بہتر ہے
For More Help Contact What's app 03224021365
Vu Topper RM

A. **SIGINT** **Page 66** **ok**
B. SIGKILL
C. SIGTRAP
D. SIGTERM

Question No:19 **(Marks:01)** **Vu-Topper RM**
UNIX System V scheduling uses queues, which run _____ algorithm.
A. **Round Robin** **Page 90** **ok**
B. Shortest Job First
C. First Come First Serve
D. Shortest Remaining Time First

Question No:20 **(Marks:01)** **Vu-Topper RM**
The solution type where in critical section we use "entry section and "exit section" is called kind of _____.
A. Assumption
B. Hardware solution
C. **Software Solution** **Page 98** **ok**
D. Operating System Solution

Question No:21 **(Marks:01)** **Vu-Topper RM**
Which of the following is used to show the end of file in unix?
A. Ctrl+A
B. **Ctrl+D** **Google**
C. Ctrl+O
D. Ctrl+E

Question No:22 **(Marks:01)** **Vu-Topper RM**
The nice value helps in assigning _____ to a process.
A. Time
B. Weight
C. **Priority** **Google** **ok**
D. Scheduling

Question No:23 **(Marks:01)** **Vu-Topper RM**
Critical section problem can be solved by using how many ways?
A. 1

بری صحبت سے تنہائی بہتر ہے اور تنہائی سے نیک صحبت بہتر ہے
For More Help Contact What's app 03224021365
Vu Topper RM

B. 2
C. 3 Page 97 ok
D. 4

Question No:24 (Marks:01) Vu-Topper RM
_____ is a piece of code in a cooperating process in which the process may updates shared data (variable, file, database, etc.).
A. Critical Path
B. Critical Code
C. Critical section Page 97 ok
D. Critical Analysis

Question No:25 (Marks:01) Vu-Topper RM
When process opens its first file explicitly it will get descriptor number _____
A. 1
B. 3 Google ok
C. 5
D. 7

Question No:26 (Marks:01) Vu-Topper RM
_____scheduling algorithm is sometimes called shortest remaining time first scheduling algorithm.
A. FCFS
B. Priority scheduling
C. Non-preemptive SJF
D. Preemptive Shortest Job First Page 82 ok

Question No:27 (Marks:01) Vu-Topper RM
_____ displays information about the top processes.
A. Is
B. Cs
C. Cd
D. Top Page 64 ok

Question No:28 (Marks:01) Vu-Topper RM
POSIX is a standard developed by _____
A. ISO

بری صحبت سے تنہائی بہتر ہے اور تنہائی سے نیک صحبت بہتر ہے
For More Help Contact What's app 03224021365

B. ACM
C. IEEE **Google**
D. ANSI

Question No:29 **(Marks:01)** **Vu-Topper RM**
_____ is the basis of queuing theory which is branch of mathematics used to analyze systems involving queues and servers.
A. Queuing Theory
B. Little's Formula **Page 93** **ok**
C. Queuing Analysis
D. Deterministic Modeling

Question No:30 **(Marks:01)** **Vu-Topper RM**
Batch programs are usually _____ programs.
A. Interactive
B. Foreground
C. Preemptive
D. Non-interactive **Google** **ok**

Question No:31 **(Marks:01)** **Vu-Topper RM**
_____ scheduling algorithm can be preemptive or non-preemptive.
A. Priority
B. Round Robin
C. Shortest Job First **Page 82** **ok**
D.First Come First Serve

Question No:32 **(Marks:01)** **Vu-Topper RM**
Round Robin algorithm is most suitable for _____.
A. Expert system
B. Time sharing system **Page 85**
C. Running batch progress
D. Real time system and batch systems

Question No:33 **(Marks:01)** **Vu-Topper RM**
A major problem with priority- scheduling algorithms is _____.
A. Aging
B. Deadlock

بری صحبت سے تنہائی بہتر ہے اور تنہائی سے نیک صحبت بہتر ہے
For More Help Contact What's app 03224021365

C. Nice value
D. Starvation Page 83 ok

Question No:34 (Marks:01) Vu-Topper RM
Kernel is responsible for scheduling the user level threads.
A. False Page 70 ok
B. True
C. Both
D. None

Question No:35 (Marks:01) Vu-Topper RM
_____ scheduling allows a process to move between queues.
A. Round Robin
B. First Come First Serve
C. Multilevel Feedback Queue Page 89 ok
D. Shortest Remaining Time First

Question No:36 (Marks:01) Vu-Topper RM
____ command display the status of a process.
A. Is
B. Ps Page 63
C. Cat
D. Gcc

Question No:37 (Marks:01) Vu-Topper RM
The correct command for compiling C program named program.c in LINUX environment is
A. gcc -z FirstProgram program.c
B. gcc program.c -m FirstProgram
C. gcc -o FirstProgram program.c
D. gcc program.c -o First Program Page 28 ok

Question No:38 (Marks:01) Vu-Topper RM
In critical section problem _____requirement illustrates that, "If no process is executing in its critical section and some processes wish to enter their critical sections, then only those processes that are not executing in their remainder section can participate in the

بری صحبت سے تنہائی بہتر ہے اور تنہائی سے نیک صحبت بہتر ہے
For More Help Contact What's app 03224021365

decision on which will enter its critical section next, and this selection cannot be postponed indefinitely."

A. Progress Page 98 ok
B. Slow execution
C. Mutual exclusion
D. Bounded waiting

Question No:39 (Marks:01) Vu-Topper RM

_____ are used by shell commands to pass data from one shell pipeline to another, without creating temporary files.

A. Pipes
B. FIFOs Page 58
C. BSD sockets
D. Message queues

Question No:40 (Marks:01) Vu-Topper RM

When a process P1 switches from the running state to the waiting state because an I/O request is being completed .This scheduling is called---------

A. Switching
B. Preemptive
C. Termination
D. Non primitive Page 79 ok

Question No:41 (Marks:01) Vu-Topper RM

Performance measures of scheduling algorithms are calculated with _____ using Gantt charts, in order to evaluate an algorithm for a particular workload.

A. Simulation
B. Queuing Models
C. Analytic evaluation
D. Deterministic modeling Page 92 ok

Question No:42 (Marks:01) Vu-Topper RM

_____ scheduling can be made into a processor sharing approach.

A. Round robin Page 86 ok
B. Shortest Job First

بری صحبت سے تنہائی بہتر ہے اور تنہائی سے نیک صحبت بہتر ہے
For More Help Contact What's app 03224021365

C. First Come First serve
D. Shortest remaining time

Question No:43 (Marks:01) Vu-Topper RM
CPU bound processes are scheduled before short or I/O bound processes in _____ scheduling, therefore, resulting in less CPU and device utilization.
A. Round Robin
B. Shortest Job First
C. First Come First Serve Page 80 ok
D. Shortest Remaining Time First

Question No:44 (Marks:01) Vu-Topper RM
A shell command mkfifo can be used to create a /an ----------.
A. Pipe
B. Named pipe Page 57 ok
C. Unnamed pipe
D. Message queue

Question No:45 (Marks:01) Vu-Topper RM
Preemptive SJF (Shorted Job First) scheduling is sometimes called _____scheduling.
A. Biggest time-first
B. Shortest time-last
C. Smallest time-first
D. Shortest remaining – time first Page 82 ok

Question No:46 (Marks:01) Vu-Topper RM
Multilevel feedback _____ scheduling allows a process to move between queues.
A. List
B. Time
C. Array
D. Queue Page 89 ok

Question No:47 (Marks:01) Vu-Topper RM
_____ are used to show executions of processes.
A. Quantum

بری صحبت سے تنہائی بہتر ہے اور تنہائی سے نیک صحبت بہتر ہے
For More Help Contact What's app 03224021365

B. Sequence
C. Time slice
D. Gantt charts **Page 85** **ok**

Question No:48 **(Marks:01)** **Vu-Topper RM**
The ready queue in RR (Round Robin) scheduling algorithm is referred to as _____ .
A. Time Slice
B. Time Quantum
C. Circular queue **Page 85** **ok**
D. LIFO (Last in First Out)

Question No:49 **(Marks:01)** **Vu-Topper RM**
The time it takes for the dispatcher to stop one process and start another running is known as the_____.
A. Stop time
B. Sleep time
C. Dispatch time
D. Dispatch latency **Page 79** **ok**

Question No:50 **(Marks:01)** **Vu-Topper RM**
Kill command is used to terminate a process. The syntax of the command is kill [-signal] PID When executed without a signal number, the command sends the _____signal to the process.
A. SIGINT
B. SIGKILL
C. SIGTERM **Page 66** **ok**
D. None of the these

Question No:51 **(Marks:01)** **Vu-Topper RM**
We can terminate a thread explicitly by either returning from the thread function or by using the__call.
A. win()
B. slow()
C. express()
D. pthread_exit() **Page 73**

Question No:52 **(Marks:01)** **Vu-Topper RM**

بری صحبت سے تنہائی بہتر ہے اور تنہائی سے نیک صحبت بہتر ہے
For More Help Contact What's app 03224021365

Concurrent processes must be synchronized to prevent _____.

A. Waiting
B. Critical Section
C. Race condition Page 96 ok
D. Mutual exclusion

Question No:53 (Marks:01) Vu-Topper RM

In process management, some of the jobs can be suspended for some time in order to give other jobs a chance to be in execution. Which command can be used to place back a suspended program?

A. Ps
B. Bg
C. Fg Page 65
D. Top

Question No:54 (Marks:01) Vu-Topper RM

In critical section problem _____requirement illustrates that, "There exists a bound on the number of times that other processes are allowed to enter their critical sections after a process has made a request to enter its critical section and before that request is granted."

A. Progress
B. Race Condition
C. Mutual Exclusion
D. Bounded waiting Page 98 ok

Question No:55 (Marks:01) Vu-Topper RM

Under _____once the CPU has been allocated to a process the process keeps the CPU until either it switches to the waiting state, finishes its CPU burst, or terminates.

A. Force scheduling
B. Dynamic scheduling
C. Preemptive scheduling
D. Non –preemptive scheduling Page 79

Question No:56 (Marks:01) Vu-Topper RM

A ------- signal is generated when a write performed to fifo that no process is opened for reading.

A. SIGFIFO

بری صحبت سے تنہائی بہتر ہے اور تنہائی سے نیک صحبت بہتر ہے
For More Help Contact What's app 03224021365

B. SIGPIPE Page 58 ok
C. Named PIPE
D. Unnamed PIPE

Question No:57 (Marks:01) Vu-Topper RM
Clock interrupt handler is an example of kernel thread that is not executed for servicing a request by a user thread .It is named as ---------.
A. LWP Page 72 ok
B. POSIX
C. EINVAL
D. EAGAIN

Question No:58 (Marks:01) Vu-Topper RM
Four processes P1, P2, P3, P4 enter the ready queue at time 0 with burst times P1=3, P2=10, P3=4. Waiting time of P3 would be _____.
A. 12
B. 13 ok
C. 14
D. 17

Question No:59 (Marks:01) Vu-Topper RM
The time interval from submission of a process to the time when its output is generated is termed as.
A. CPU burst
B. Throughput
C. Responsive time
D. Turnaround time Page 80 ok

Question No:60 (Marks:01) Vu-Topper RM
Critical section is a place where certain shared structure is updated. Its solution required certain precaution; one of them is the access to critical section by one process at a time only. What this condition is termed as?
A. Progress
B. Entry section
C. Bounded waiting

بری صحبت سے تنہائی بہتر ہے اور تنہائی سے نیک صحبت بہتر ہے
For More Help Contact What's app 03224021365
Vu Topper RM

D. Mutual exclusion **Page 97** **ok**

Question No:61 **(Marks:01)** **Vu-Topper RM**

In critical section problem, each process must first request permission to enter its critical section. The section of code implementing this request is called the_____.

A. Sub section
B. Exit section
C. Entry section **Page 97** **ok**
D. Remainder section

Question No:62 **(Marks:01)** **Vu-Topper RM**

UNIX system V Scheduling algorithm in every second, the priority number of all those processes that are in the main memory and ready to run is updated by using the following formula:

A. Priority # = Threshold priority + nice
B. Priority # = (Recent CPU Usage)/2 + nice
C. Priority # = (Recent CPU Usage)/2 + Threshold priority
D. Priority #=(Recent CPU Usage)/2+Threshold priority+nice
Page 90 **ok**

Question No:63 **(Marks:01)** **Vu-Topper RM**

The number of processes completed per unit time is called _____.

A. Throughput **Page 80** **ok**
B. Response time
C. Dispatch latency
D. Turn around time

Question No:64 **(Marks:01)** **Vu-Topper RM**

_____ is used in real time operating systems.

A. FCFS scheduling
B. Dispatching scheduling
C. Preemptive scheduling **ok**
D. Non-preemptive scheduling

Question No:65 **(Marks:01)** **Vu-Topper RM**

بری صحبت سے تنہائی بہتر ہے اور تنہائی سے نیک صحبت بہتر ہے
For More Help Contact What's app 03224021365

Which of the following is a correct command line for running in background?

A. cat code.c | grep print @
B. cat code.c | grep print & **Page 62** **ok**
C. cat code.c | grep print #
D. cat code.c | grep print %

Question No:66 **(Marks:01)** **Vu-Topper RM**

Consider three processes in scheduling .Here are the waiting times for the three processes P1 = 5; P2 = 10; P3 = 3. Which one of the following is correct average waiting time per process?

A. 2
B. 3
C. 6 **ok**
D. 8

Question No:67 **(Marks:01)** **Vu-Topper RM**

_____ is not a system call in Linux.

A. Read
B. Open
C. Mknod
D. Mkfifo **Page 57** **ok**

Question No:68 **(Marks:01)** **Vu-Topper RM**

Processes P1, P2, P3, P4 enter the ready queue at times 0, 3, 3, 11 with burst times P1=8, P2=2, P3=1, P4=1. With Shortest Remaining Time First, _____ process is given CPU at time T=3.

A. P1
B. P2
C. P3 **ok**
D. P4

Question No:69 **(Marks:01)** **Vu-Topper RM**

The priority of a process can be changed using _____ command.

A. Cat
B. Nice **ok**
C. Cmd

بری صحبت سے تنہائی بہتر ہے اور تنہائی سے نیک صحبت بہتر ہے
For More Help Contact What's app 03224021365

D. Grep

Question No:70 (Marks:01) Vu-Topper RM
Processes P1, P2, P3 having burst times P1=3, P2=4, P3=3 and turnaround times P1=7, P2=10, P3=9 enter the ready queue at T=0. With RR scheduling, waiting time for process P2 would be _____.

A. 0
B. 3
C. 4
D. 6

Question No:71 (Marks:01) Vu-Topper RM
The problem with priority scheduling algorithm is _____.

A. Aging
B. Deadlock
C. Nice value
D. Starvation Page 83 ok

Question No:72 (Marks:01) Vu-Topper RM
In process synchronization, if both the producer and consumer attempt to update the buffer concurrently, the machine language statements may get interleaved. Interleaving depends upon how the producer and consumer processes are_____.

A. Stopped
B. Separated
C. Scheduled Page 96 ok
D. Interrupted

Question No:73 (Marks:01) Vu-Topper RM
_____ processes or threads often need access to shared data and shared resources.

A. Single
B. Parallel
C. Temporary
D. Concurrent Page 95 ok

Question No:74 (Marks:01) Vu-Topper RM

بری صحبت سے تنہائی بہتر ہے اور تنہائی سے نیک صحبت بہتر ہے
For More Help Contact What's app 03224021365

In Unix/ Linux, by default the standard output file is attached to the _____

A. File
B. Printer
C. Screen
D. Scanner

Question No:75 (Marks:01) Vu-Topper RM

In round-robin (RR) scheduling algorithm, in case the time quantum is very large (infinite), the RR policy remains the same as the_____ policy.

A. LIFO (Last in First out)
B. SJF (Shorted Job First)
C. FCFS (First Come First Server) Page 86 ok
D. SRTF (Shortest Remaining Time First)

Question No:76 (Marks:01) Vu-Topper RM

Critical section problem is to _____the concurrent execution of cooperating process.

A. Stop
B. Start
C. Update
D. Serialize Page 102 ok

Question No:77 (Marks:01) Vu-Topper RM

_____is solution to the problem of indefinite blockage of low-priority processes.

A. Aging Page 84 ok
B. Sleeping
C. Stopping
D. Awaking

Question No:78 (Marks:01) Vu-Topper RM

In multilevel queue-scheduling algorithm the highest priority is given to _____.

A. batch processes
B. system processes
C. interactive processes ok

بری صحبت سے تنہائی بہتر ہے اور تنہائی سے نیک صحبت بہتر ہے

For More Help Contact What's app 03224021365

Vu Topper RM

D. interactive editing processes

Question No:79 (Marks:01) Vu-Topper RM
Co-operating processes sharing a piece of code are executed periodically to solve _____.
A. Aging problem
B. Waiting problem
C. Critical section problem Page 97 ok
D. Non-concurrency problem

Question No:80 (Marks:01) Vu-Topper RM
The child process can _____
A. Be a duplicate of the parent process Page 36 ok
B. Never be a duplicate of the parent process
C. Never have another program loaded into it
D. Cannot have another program loaded into it

Question No:81 (Marks:01) Vu-Topper RM
A time-sharing system is:
A. Multi-user
B. Interactive
C. Multitasking
D. All of these Page 6

Question No:82 (Marks:01) Vu-Topper RM
The BSD sockets are used for communication between related or unrelated processes on the same system or _____on different systems.
A. Sibling process
B. Related processes
C. Unrelated processes Page 50 ok
D. Both (related and unrelated)

Question No:83 (Marks:01) Vu-Topper RM
_____ scheduler takes the process from the ready queue and assign the CPU with the help of Dispatcher.
A. Swapper
B. Long term

بری صحبت سے تنہائی بہتر ہے اور تنہائی سے نیک صحبت بہتر ہے
For More Help Contact What's app 03224021365
Vu Topper RM

C. **Short term** **Page 79** **ok**
D. Medium-term

Question No:84 **(Marks:01)** **Vu-Topper RM**
Which of the following provide interface to access the services of the operating system?
A. API
B. Library call
C. **System call** **Page 15**
D. Assembly Instructions

Question No:85 **(Marks:01)** **Vu-Topper RM**
This layered approach is taken to its logical conclusion in the concept of a_____ .
A. Logical Machine
B. **Virtual machine** **Page 19** **ok**
C. Physical Machine
D. None of the these

Question No:86 **(Marks:01)** **Vu-Topper RM**
While a process executes its critical section, other entering processes loop in a continual function in their entry sections, thus causing .
A. **Busy waiting** **Page 109**
B. Race condition
C. Bounded waiting
D. Mutual exclusion

Question No:87 **(Marks:01)** **Vu-Topper RM**
Taking the CPU from one process and giving the CPU to another process is termed as
A. Tracking
B. Swapping
C. Dispatching
D. **Context Switching** **Page 31** **ok**

Question No:88 **(Marks:01)** **Vu-Topper RM**

بری صحبت سے تنہائی بہتر ہے اور تنہائی سے نیک صحبت بہتر ہے
For More Help Contact What's app 03224021365

_____ scheduler selects the process from the job pool and put them in main memory.

A. Swapper
B. Short term
C. Long term **Page 33**
D. Medium term

Question No:89 **(Marks:01)** **Vu-Topper RM**

The region in the memory that a process is allowed to access is known as process_____.

A. Register
B. Operation
C. Instruction
D. Address Space **Page 10** **ok**

Question No:90 **(Marks:01)** **Vu-Topper RM**

A signal is an event generated to get attention of

A. Trap
B. Process **Page 7** **ok**
C. Interrupts
D. Hard disk

Question No:91 **(Marks:01)** **Vu-Topper RM**

The creating process is called a_____process while the new processes are called the _____ of that process

A. Zombie, single
B. Children, parent
C. Parent, children **Page 35** **ok**
D. None of the given

Question No:92 **(Marks:01)** **Vu-Topper RM**

In _____inter process communication, a sender mention the name of the recipient.

A. Direct **Page 43** **ok**
B. Indirect
C. Automatic
D. Synchronous

بری صحبت سے تنہائی بہتر ہے اور تنہائی سے نیک صحبت بہتر ہے

For More Help Contact What's app 03224021365

Vu Topper RM

Question No:93 (Marks:01) Vu-Topper RM
For undivided and uninterrupted testing and setting of semaphore, uni-processor systems tend to_____

A. Use signal
B. Use spinlock
C. Disable Interrupt Page 109
D. Use bakery algorithm

Question No:94 (Marks:01) Vu-Topper RM
The _____ approach include the ease of extending the OS.

A. Small Kernel
B. Micro Kernel Page 19 ok
C. Macro Kernels
D. Monolithic Kernel

Question No:95 (Marks:01) Vu-Topper RM
For reading input, which of the following system call is used?

A. Rd
B. Read Page 45 ok
C. Write
D. Change

Question No:96 (Marks:01) Vu-Topper RM
_____processes or thread often need access to shared data and shared resources.

A. Single
B. Parallel
C. Temporary
D. Concurrent Page 95

Question No:97 (Marks:01) Vu-Topper RM
In hardware multiprocessor environment two instructions are executed _ which are swap and Test And Set.

A. By force
B. Manually
C. Atomically Page 105
D. Automatically

بری صحبت سے تنہائی بہتر ہے اور تنہائی سے نیک صحبت بہتر ہے
For More Help Contact What's app 03224021365
Vu Topper RM

Question No:98 (Marks:01) Vu-Topper RM

The_____process creates two FIFOs, FIFO1 and FIFO2, and opens FIFO1 for reading and FIFO2 for writing.

A. Client
B. Server Page 60
C. Both
D. None of these

Question No:99 (Marks:01) Vu-Topper RM

Which of the following statement is not true regarding the cooperatingprocesses?

A. It may affect or be affected by any other process executing in system Page 41 ok
B. It provides an environment to allow concurrent user to access same resources.
C. It provide an environment to run parallel processes to speedup computation.
D. It construct the system in a modular fashion, dividing the system functions into separate processes or threads.

Question No:100 (Marks:01) Vu-Topper RM

In which of the following system multiple user are allowed to used the computer simultaneously?

A. Two users
B. Three users
C. Multi users Page 6 ok
D. Single users

Question No:101 (Marks:01) Vu-Topper RM

We can perform the solution to critical section problem by allowing only one process to enter at a time but another solution hold some instruction use. One of them is TSL, how it is written in program?

A. TSL ()
B. TSL (Bolean &target)
C. Testandset(Bolean &target)
D. TestAndSet (Boolean &target) Page 105

Question No:102 (Marks:01) Vu-Topper RM

بری صحبت سے تنہائی بہتر ہے اور تنہائی سے نیک صحبت بہتر ہے

For More Help Contact What's app 03224021365

Vu Topper RM

System calls provide the interface between a_____ and the Operating System.

A. User
B. Kernel
C. Process **Page 15**
D. Machine

Question No:103 **(Marks:01)** **Vu-Topper RM**

In operating system, _____command is used to copy files to same location or different location.

A. Cp
B. Copi
C. Copy
D. Both Copy and CP **Google** **ok**

Question No:104 **(Marks:01)** **Vu-Topper RM**

When sender never block because it has an infinite length storage area, then it means it is holding a queue of _____ capacity.

A. Zero
B. Defined
C. Bounded
D. Unbounded **Page 45** **ok**

Question No:105 **(Marks:01)** **Vu-Topper RM**

A process is _____ if it cannot affect or be affected by any other process executing in the system.

A. Dependent
B. Independent **Page 41** **ok**
C. Both (independent and dependent)
D. None of the given

Question No:106 **(Marks:01)** **Vu-Topper RM**

You can have a thread wait for another thread within the same process by using the _____ system call.

A. pthread_exit()
B. pthread_join() **Page 73** **ok**
C. pthread_create()
D. pthread_terminate()

بری صحبت سے تنہائی بہتر ہے اور تنہائی سے نیک صحبت بہتر ہے

For More Help Contact What's app 03224021365

Vu Topper RM

Question No:107 (Marks:01) Vu-Topper RM
State of a process transits from running to ready because of _____.

A. I/O
B. Fork()
C. Interrupt Page 79 ok
D. Scheduler dispatch

Question No:108 (Marks:01) Vu-Topper RM
In _____addressing, the recipient is not required to name the sender.

A. Symmetric
B. Asymmetric Page 44 ok
C. Both
D. None of these

Question No:109 (Marks:01) Vu-Topper RM
The situation in which no context switching is required in multiprocessor system is referred to as _____.

A. Interrupt
B. Spin lock Page 110
C. Scheduler
D. Busy waiting

Question No:110 (Marks:01) Vu-Topper RM
After fork() system call is made, parent and child process have their separate copy of _____.

A. Nice value
B. Environment
C. File descriptors Page 38 ok
D. File mode creation mask

Question No:111 (Marks:01) Vu-Topper RM
Bounded Buffer is a buffer of _____ size

A. Variable
B. Fixed Page 41 ok

بری صحبت سے تنہائی بہتر ہے اور تنہائی سے نیک صحبت بہتر ہے
For More Help Contact What's app 03224021365
Vu Topper RM

Question No:112 (Marks:01) Vu-Topper RM

The link between two processes P and Q to send and receive messages is called____

A. Synchronization link
B. All of the mentioned
C. Communication link Page 43
D. Message-Passing link

Question No:113 (Marks:01) Vu-Topper RM

_____ algorithm is used for solving n-process critical section problem.

A. Bankers
B. Bakery Page 102 ok
C. Babbles
D. None of the given

Question No:114 (Marks:01) Vu-Topper RM

Binary semaphore whose integer value cannot be > 1; can be simpler to implement.

A. Counting Google
B. Binary
C. Mutex
D. Bounded buffer

Question No:115 (Marks:01) Vu-Topper RM

The section of code before the critical section is called _____

A. Exit section
B. Entry section Page 97 ok
C. Crystal section
D. Remainder section

Question No:116 (Marks:01) Vu-Topper RM

An operating system is easily portable between varying hardware designs in _____ structural approach.

A. Simple
B. Layered
C. Micro kernels Page 19 ok

بری صحبت سے تنہائی بہتر ہے اور تنہائی سے نیک صحبت بہتر ہے

For More Help Contact What's app 03224021365

Vu Topper RM

D. Virtual Machines

Question No:117 (Marks:01) Vu-Topper RM
Which scheduling algorithm allocates the CPU first to the process that request the CPU first?
A. Priority scheduling
B. Shortest job scheduling
C. First-come, First-served scheduling Page 80
D. None of the these

Question No:118 (Marks:01) Vu-Topper RM
Which is not basic computing hardware?
A. CPU
B. Memory
C. I/O Devices
D. Compact Disc Page 1 ok

Question No:119 (Marks:01) Vu-Topper RM
The _____ defines an operating system as a bridge between computer user and hardware for a user's convenience.
A. System-view
B. Layered-view
C. Top-down view Page 3 ok
D. Bottom-up view

Question No:120 (Marks:01) Vu-Topper RM
_____ system call is used to create a child process.
A. Fork Page 48 ok
B. Child
C. Parent
D. None of them

Question No:121 (Marks:01) Vu-Topper RM
The Operating system is a layer of software between _____ and _____.
A. Kernel, hardware
B. Dos, Windows
C. Windows, Kernel

بری صحبت سے تنہائی بہتر ہے اور تنہائی سے نیک صحبت بہتر ہے
For More Help Contact What's app 03224021365

D. Hardware, software application **ok**

Question No:122 **(Marks:01)** **Vu-Topper RM**

The OS helps manages the following except

A. Memory
B. Virtual memory
C. Application software
D. Bus speed of the system **ok**

Question No:123 **(Marks:01)** **Vu-Topper RM**

In Unix/ Linux, by default the standard input file is attached to the _____

A. Mouse
B. Joystick
C. Light pen
D. Keyboard **Page 52** **ok**

Question No:124 **(Marks:01)** **Vu-Topper RM**

_____ is a preemptive scheduling algorithm.

A. Round Robin
B. None of these
C. Shortest Job First
D. First Come First Serve

Question No:125 **(Marks:01)** **Vu-Topper RM**

The priorities of processes in the _____ group remain fixed.

A. User
B. Kernel **Page 90**
C. Both
D. None of these

Question No:126 **(Marks:01)** **Vu-Topper RM**

In Unix/Linux by default the standard output file is attached to the

A. File
B. Printer
C. Screen **Page 52**
D. Scanner

بری صحبت سے تنہائی بہتر ہے اور تنہائی سے نیک صحبت بہتر ہے

For More Help Contact What's app 03224021365

Vu Topper RM

Question No:127 (Marks:01) Vu-Topper RM

The major advantage of multi-programming system is

A. More than one jobs can be processed at a given time
B. CPU utilization can be increases
C. Jobs can be completed quickly
D. All of the options are correct

Question No:128 (Marks:01) Vu-Topper RM

Which of the following is NOT a Hardware Resource.

A. OS
B. CPU
C. I/O Devices
D. Memory

Question No:129 (Marks:01) Vu-Topper RM

Database, Complier, Video games are examples of _____.

A. User
B. Hardware
C. Application
D. Operating System

Question No:130 (Marks:01) Vu-Topper RM

Which of the Following is not an Operating System.

A. Linux
B. Unix
C. Datebase
D. Windows Xp

Question No:131 (Marks:01) Vu-Topper RM

Managing Secondary Storage Involves all of the Following except

A. Allocating storage space
B. Deallocating Storage
C. Prevent Overwritting
D. Insure integrity of shared data

Question No:132 (Marks:01) Vu-Topper RM

بری صحبت سے تنہائی بہتر ہے اور تنہائی سے نیک صحبت بہتر ہے

For More Help Contact What's app 03224021365

Vu Topper RM

The Purpose of Operating System is to generate Executable Programs and to _____ them.

A. Regenetrate
B. Execute
C. Store
D. Remove

Question No:133 (Marks:01) Vu-Topper RM

Copy file1 file2 is an example of _____ OS view.

Top down
Bottum Up

Question No:134 (Marks:01) Vu-Topper RM

An operating system is a / an _____that manages the execution of user programs to prevent errors and improper use of a computer.

A. Disk
B. Physical unit
C. Control program Page 3 ok
D. Application program

Question No:135 (Marks:01) Vu-Topper RM

In priority-scheduling algorithm equal priority processes are scheduled in_____order.

A. SJF (Shorted Job First)
B. LIFO (Last in First Out)
C. FCFS (First Come First Serve) Page 83 ok
D. SRTF (Shortest Remaining Time First)

Question No:136 (Marks:01) Vu-Topper RM

_____ determines What will be done.

A. Mechanism
B. Policy
C. Mechanism and Policy
D. None of the given

Question No:137 (Marks:01) Vu-Topper RM

بری صحبت سے تنہائی بہتر ہے اور تنہائی سے نیک صحبت بہتر ہے
For More Help Contact What's app 03224021365

_____ determines How to do something.

A. **Mechanism**
B. Policy
C. Mechanism and Policy:
D. None of the given

Question No:138 (Marks:01) Vu-Topper RM

Mach, MacOS X Server, QNX, OS/2 and Windows NT are examples of OS Based on _____.

A. Layered
B. **Micro Kernal**
C. Virtual Machine
D. None of The Given

Question No:139 (Marks:01) Vu-Topper RM

In Layered approach of OS, Lowest Layer is known as _____.

A. Software Layer
B. **Hardware Layer**
C. Lower-Level Layer
D. None of The Given

Question No:140 (Marks:01) Vu-Topper RM

We can suspend a foreground process by pressing_____, which sends a STOP/SUSPEND signal to the process.

A. Ctrl-w
B. **Ctrl-z** **Page 65**
C. Ctrl-x
D. Ctrl-y

Question No:141 (Marks:01) Vu-Topper RM

A dashed line is used to represent a _____ in Resource Allocation Graph.

A. **Claim edge** **Page 138**
B. Request edge
C. Assignment edge
D. Allocation edge

Question No:142 (Marks:01) Vu-Topper RM

بری صحبت سے تنہائی بہتر ہے اور تنہائی سے نیک صحبت بہتر ہے
For More Help Contact What's app 03224021365

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_____.

A. Circular wait
B. No preemption
C. Hold and wait
D. Mutual exclusion

Question No:143 (Marks:01) Vu-Topper RM

If the system can allocate resources to each process in some order and still avoid a deadlock then it said to
be in _____ state.

A. Safe
B. Unsafe
C. Mutual
D. Starvation

Question No:144 (Marks:01) Vu-Topper RM

In producer-Consumer problem synchronization is required. On which shared area this synchronization actually affect?

A. Buffer Page 94 ok
B. Counter
C. Exit section
D. Entry section

Question No:145 (Marks:01) Vu-Topper RM

Using hardware solution to synchronization for complex problems, introduce a new synchronization tool know as _____.

A. Trap
B. Swap
C. Semaphore Page 111
D. TestAndSet

Question No:146 (Marks:01) Vu-Topper RM

In instruction TestAndSet mutual exclusion implementation is done by declaring a Boolean variable lock _____.

A. Initialized as 1
B. Initialized as Zero

بری صحبت سے تنہائی بہتر ہے اور تنہائی سے نیک صحبت بہتر ہے
For More Help Contact What's app 03224021365

C. Initialized as True
D. Initialized to False Page 106

Question No:147 (Marks:01) Vu-Topper RM
Use of semaphore create problem of busy waiting; this wastes CPU cycle that some other process may be able to use productively. This type of semaphore is also called _____.
A. Mutex
B. Spinlock Page 109
C. Semaphore
D. Locking semaphore

Question No:148 (Marks:01) Vu-Topper RM
_____is a segment of code that accesses a shared resource like data structure or device that must not be concurrently accessed by more than one thread of execution.
A. Pipelining
B. Multithreading
C. Critical section Page 105
D. Context switching

Question No:149 (Marks:01) Vu-Topper RM
In system call that creates a pipe for IPC. If one of the operation from read/write would fail then what will be returned as result?
A. -1 Page 46 ok
B. 0
C. -1+1
D. 1

Question No:150 (Marks:01) Vu-Topper RM
_____ command is used to change the directory.
A. Is
B. Cp
C. M
D. Cd Page 219 ok

بری صحبت سے تنہائی بہتر ہے اور تنہائی سے نیک صحبت بہتر ہے
For More Help Contact What's app 03224021365

Question No:151 (Marks:01) Vu-Topper RM

The correct command when Pipes are used on the command line to connect the standard input of one process to the standard input of another is _____.

A. Cmd1 $ cmd2 $.....$ cmdN
B. Cmd1 | cmd2 |……| cmdN Page 53 ok
C. Cmd1 & cmd &……..&cmdN
D. Cmd1 % cmd2 %.....%cmdN

Question No:152 (Marks:01) Vu-Topper RM

When processes communicate with each other, they perform communication through synchronization and utilizing separate address spaces. This action is termed as _____

A. Synchronization
B. Process management
C. Direct/indirect Communication
D. Inter-process communication Page 43 ok

Question No:153 (Marks:01) Vu-Topper RM

The _____ system call suspends the calling process until one of the immediate children terminate.

A. Wait Page 39 ok
B. Trap
C. Signal
D. Interrupt

Question No:154 (Marks:01) Vu-Topper RM

A _____ system has well defined, fixed time constraints, and if the system does not produce output for an input within the time constraints, the system will fail.

A. Limited
B. Android
C. Operating
D. Real-time Page 7 ok

Question No:155 (Marks:01) Vu-Topper RM

بری صحبت سے تنہائی بہتر ہے اور تنہائی سے نیک صحبت بہتر ہے
For More Help Contact What's app 03224021365

The process id returned to the child process after successful fork system call execution is _____.

A. 0 Page 37
B. 1
C. 2
D. 3

Question No:156 (Marks:01) Vu-Topper RM

The write () system call may not fail for _____reason(s).

A. Valid argument Page 51 ok
B. Disk is full
C. Invalid argument
D. File size limit for process or for system would exceed

Question No:157 (Marks:01) Vu-Topper RM

If a parent exits before terminating its children processes, these children are handed over to _____ process.

A. Init Page 37 ok
B. Root
C. Sibling
D. Daemon

Question No:158 (Marks:01) Vu-Topper RM

Shared libraries and kernel modules are stored in _____ directory.

A. /lib Page 23 ok
B. /bin
C. /dev
D. /boot

Question No:159 (Marks:01) Vu-Topper RM

You can use the mv file1 file2 command to move _____

A. File 2to file 1
B. File1 to file2. Page 27
C. None of the these
D. This command will not work for moving files

بری صحبت سے تنہائی بہتر ہے اور تنہائی سے نیک صحبت بہتر ہے
For More Help Contact What's app 03224021365

Question No:160 (Marks:01) Vu-Topper RM

A solution to the critical section problem must satisfy the following requirements except

A. Progress
B. Race Condition Page 98 ok
C. Bounded Waiting
D. Mutual Exclusion

Question No:161 (Marks:01) Vu-Topper RM

A process consists of _____

A. Code
B. Data
C. One or more threads
D. All of the given

Question No:162 (Marks:01) Vu-Topper RM

_____ is the smallest rectangle enclosing the portion of a window or client area affected by recent drawing operations

A. Invalid Rectangle
B. All of the given options
C. Accumulated Client Rect
D. Accumulated Bounding Rectangle

Question No:163 (Marks:01) Vu-Topper RM

_____ is used to request the OS by the process to take an I/O or initiating child process.

A. Trap
B. Signal
C. Interrupt
D. System Call Page 195 ok

Question No:164 (Marks:01) Vu-Topper RM

Linux uses _____ directory to store system configuration files.

A. /etc Page 23 ok
B. /bin
C. /dev
D. /boot

بری صحبت سے تنہائی بہتر ہے اور تنہائی سے نیک صحبت بہتر ہے

For More Help Contact What's app 03224021365

Vu Topper RM

Question No:165 (Marks:01) Vu-Topper RM

User mode can run the Privileged instructions.

A. 1 Google
B. 0
C. 2
D. 4

Question No:166 (Marks:01) Vu-Topper RM

A parent process calling _____ system call will be suspended until children processes terminate.

A. Exit
B. Fork
C. Wait Page 36 ok
D. Exec

Question No:167 (Marks:01) Vu-Topper RM

If your processor does not have two slots empty in Per Process File Descriptor Table, then your _____ system call will fail.

A. Pipe Page 52 ok
B. Read
C. Write
D. Open

Question No:168 (Marks:01) Vu-Topper RM

The manual pages can be read in Linux using ____ command.

A. Man Page 24 ok
B. wan
C. desc
D. help

Question No:169 (Marks:01) Vu-Topper RM

_____ directory includes essential system boot files including the kernel image.

A. /bin
B. /dev
C. /etc
D. /boot Page 23 ok

بری صحبت سے تنہائی بہتر ہے اور تنہائی سے نیک صحبت بہتر ہے

For More Help Contact What's app 03224021365

Vu Topper RM

Question No:170 (Marks:01) Vu-Topper RM
Command-line interpreter is also called _____ in some operating systems.

A. API
B. Shell Google ok
C. Signal
D. Kernel

Question No:171 (Marks:01) Vu-Topper RM
_____ command displays the contents of current working directory.

A. Is Page 25 ok
B. Cs
C. Mv
D. Cp

Question No:172 (Marks:01) Vu-Topper RM
A ____is an integer variable that, apart from initialization is accessible only through standard atomic operations.

A. Mutex
B. Semaphore Page 108
C. Busy waiting
D. Mutual Exclusion

Question No:173 (Marks:01) Vu-Topper RM
Which part of the computer system helps in managing the file and memory management system?

A. Hardware
B. Device Drivers
C. Operating System Page 12 ok
D. Application Software

Question No:174 (Marks:01) Vu-Topper RM
A/an ---------- is software generated call caused by error, or when a user request for an operating system service.

بری صحبت سے تنہائی بہتر ہے اور تنہائی سے نیک صحبت بہتر ہے
For More Help Contact What's app 03224021365
Vu Topper RM

A. Trap **Page 7** **ok**
B. Interrupt
C. Library call
D. System Call

Question No:175 **(Marks:01)** **Vu-Topper RM**
A Process 'A' that has finished working but its parent process has also finished its execution. In this state the process 'A' will be called as _____ process.
A. Child
B. Fork
C. Thread
D. Zombie **Page 42** **ok**

Question No:176 **(Marks:01)** **Vu-Topper RM**
_____ system call is used to write to a file or FIFO or any other IPC channel.
A. Read
B. Open
C. Fork
D. Write **Page 45** **ok**

Question No:177 **(Marks:01)** **Vu-Topper RM**
You can use the rm file1 command to _____ file1.
A. Make
B. Modify
C. Remove **Page 27** **ok**
D. Retrieve

Question No:178 **(Marks:01)** **Vu-Topper RM**
Using _____system, we can create a new process in Linux.
A. Exit
B. Wait
C. Fork **Page 36** **ok**
D. Exec

Question No:179 **(Marks:01)** **Vu-Topper RM**

بری صحبت سے تنہائی بہتر ہے اور تنہائی سے نیک صحبت بہتر ہے
For More Help Contact What's app 03224021365

Cooperating processes never share any data, code, memory or state.

A. True
B. False Page 41
C. Both
D. None

Question No:180 (Marks:01) Vu-Topper RM

Which of the following is not a major advantage of multi-programming system is

Jobs can be completed quickly
CPU utilization can be increases
More than one jobs can be processed at a given time
If more process exist, the rest must wait until the CPU is free and can be rescheduled Page 31 ok

Question No:181 (Marks:01) Vu-Topper RM

_____command in LINUX is used to copy file.

A. ls
B. cp Page 27
C. mv
D. mkdir

Question No:182 (Marks:01) Vu-Topper RM

The basic purpose of__is to help the users to utilize the hardware resources for completing different task in a simplified manner.

A. All software
B. Operating system Page 1
C. Application software
D. All of the given

Question No:183 (Marks:01) Vu-Topper RM

Which of the following are TRUE for direct communication?

A. Exactly two links exist between each pair of processes
B. A communication link can be associated with exactly two processes Page 44 ok
C. A communication link can be associated with N number of process (N=maximum number of processes supported by system)

بری صحبت سے تنہائی بہتر ہے اور تنہائی سے نیک صحبت بہتر ہے
For More Help Contact What's app 03224021365

D. Exactly N/2 links exist between each pair of processes(N=maximum number of processes supported by system)

Question No:184 (Marks:01) Vu-Topper RM

Keeping in mind scheduling algorithm, when you go to any famous fast food franchise. On entering the store, each customer receive a number.The customer with a lowest number is served next. This algorithm is called___.

A. Simple algorithm
B. Bakery algorithm Page 102
C. Dijkstra's algorithm
D. Deadlock algorithm

Question No:185 (Marks:01) Vu-Topper RM

The wait operation of the Semaphore basically works on the basic _____systemcall.

A. Wait() Page 111
B. Stop()
C. Hold()
D. Block()

Question No:186 (Marks:01) Vu-Topper RM

Priority scheduling cannot be pre-emptive.

A. True
B. False Page 83
C. Both
D. None

Question No:187 (Marks:01) Vu-Topper RM

Performance measures of scheduling before short or I/O bound processes in____scheduling, therefore, resulting in less CPUand device utilization.

A. FIRST COME FIRT SERVE
B. Round Robin
C. Shortest Job First
D. Shortest Remaining Time First

بری صحبت سے تنہائی بہتر ہے اور تنہائی سے نیک صحبت بہتر ہے

For More Help Contact What's app 03224021365

Vu Topper RM

Question No:188 (Marks:01) Vu-Topper RM

In the Bakery algorithm, processes are prioritized based on highest ticks amongcomputing processes.

A. **False Page 102**
B. True
C. Both
D. None

Question No:189 (Marks:01) Vu-Topper RM

Consider a system of N processes (Po, P1 …… Pn-1). Each process in its critical section and the process may be changing common variables, updating a table, writing a file etc. No other process is allowed to execute in its critical section. This problem is called ---------.

A. Bakery algorithm
B. N-Mutual exclusion
C. Deadlock algorithm
D. **N-Process Critical Section Page 102 ok**

Question No:190 (Marks:01) Vu-Topper RM

A thread shares its resources (like data section, code section, open files, signals) with _____.

A. Other threads that belong to similar processes
B. **Other thread that belongs to the same processes Page 69 ok**
C. Other process similar to the one that the thread belongs to
D. All

Question No:191 (Marks:01) Vu-Topper RM

A program in execution is called a ____

A. **Process Page 12**
B. Software
C. Compiler
D. Command

Question No:192 (Marks:01) Vu-Topper RM

While using the read /write system call which data type is used to return the size of file to buffer from file descriptor fd?

بری صحبت سے تنہائی بہتر ہے اور تنہائی سے نیک صحبت بہتر ہے

For More Help Contact What's app 03224021365

Vu Topper RM

A. Fifo
B. Ssizet
C. Pipefd
D. Ssize-Max Page 45

Question No:193 (Marks:01) Vu-Topper RM
_____ multi-threading model provides full concurrency.
A. One –to-One Page 71
B. One-to-Many
C. Many-to-One
D. Many-to-Many

Question No:194 (Marks:01) Vu-Topper RM
Rather than maximizing CPU utilization and use of peripheral devices, _____ systems are for maximizing user convenience and responsiveness.
A. Batch
B. Single-user Page 4 ok
C. Time-sharing
D. Multi-user Batch

Question No:195 (Marks:01) Vu-Topper RM
Consider a scenario in which one process P1 enters in its critical section, no other process is allowed to execute in its critical section. This is called ----------
A. Progress
B. Multithreading
C. Mutual exclusion Page 98 ok
D. Context switching

Question No:196 (Marks:01) Vu-Topper RM
Which process can be affected by other processes executing in the system?
A. Init process
B. Child process
C. Cooperating process Page 41 ok
D. Parent process

بری صحبت سے تنہائی بہتر ہے اور تنہائی سے نیک صحبت بہتر ہے
For More Help Contact What's app 03224021365
VuTopperRM

Question No:197 (Marks:01) Vu-Topper RM

Linux redirection features can be used to _____ and attach other files with them for a single execution of a command.

A. detach the default files from stdin and stderr
B. detach the default files from stdout, and stderr
C. detach the default files from stdin stdout and stderr ok
D. None of the these

Question No:198 (Marks:01) Vu-Topper RM

In LINUX/UNIX environment Ali want to know the number of processes runningon thesystem and their status, number of CPUs in the system and their usage, amount ofmain memory and its usage. Which of the following command will help in this regard?

A. $ ps
B. $ top Page 64
C. $ gcc
D. $ fifo

Question No:199 (Marks:01) Vu-Topper RM

In the results displayed by ls -l command, 5th column shows _____.

A. Owner of the file
B. Time last updated
C. File size in bytes Page 26 ok
D. Group of the owner

Question No:200 (Marks:01) Vu-Topper RM

In the layered approach of Operating Systems _____

A. Bottom Layer(N) is the hardware
B. Highest Layer(N) is the Hardwar
C. Bottom Layer (0) is the user interface
D. Highest layer (N) is the user interface Page 18 ok

Question No:201 (Marks:01) Vu-Topper RM

A heavy weight process _____

A. Multiple or single thread
B. Has multiple threads of execution
C. Has a single thread of execution Page 67 ok

بری صحبت سے تنہائی بہتر ہے اور تنہائی سے نیک صحبت بہتر ہے

For More Help Contact What's app 03224021365

Vu Topper RM

D. None of the these

Question No:202 (Marks:01) Vu-Topper RM
Is a solution of the problem of indefinite blockage of low-priority processes.

A. Aging Page 84
B. Deadlock
C. Starvation
D. None of these

Question No:203 (Marks:01) Vu-Topper RM
FIFO's (also known as named pipes) are used for communication between _____on UNIX/Linux system

A. Parent-child
B. Related processes Page 49 ok
C. Unrelated processes
D. Related and Unrelated

Question No:204 (Marks:01) Vu-Topper RM
Which of the following conditions must be satisfied to solve the critical sectionproblem?

A. Progress
B. Bounded waiting
C. Mutual Exclusion
D. All of the given Page 98

Question No:205 (Marks:01) Vu-Topper RM
Which of the following two operations are provided by the IPC facility?

A. Send & Delete message
B. Write & Delete message
C. Delete & Receive message
D. Receive and send massages Google ok

Question No:206 (Marks:01) Vu-Topper RM
Kill command is used to terminate a Access of variable semaphore is possible only through two atomic operation_and

بری صحبت سے تنہائی بہتر ہے اور تنہائی سے نیک صحبت بہتر ہے
For More Help Contact What's app 03224021365
Vu Topper RM

A. Lock, Key
B. Wait, signal **Page 108**
C. Boolean, integer
D. Test And Set, Swap

Question No:207 **(Marks:01)** **Vu-Topper RM**
A _____ enables a user process to request the operating system to execute a privileged instruction for it.
A. Trap **Page 8** **ok**
B. Interrupt
C. Library call
D. System Call

Question No:208 **(Marks:01)** **Vu-Topper RM**
Is not system call in Linux.
A. Read
B. Open
C. Mknod
D. MKfifo **Page 57**

Question No:209 **(Marks:01)** **Vu-Topper RM**
_____ is also called Swapper.
A. Long term
B. Short term
C. Swap space
D. Medium term **Page 34** **ok**

Question No:210 **(Marks:01)** **Vu-Topper RM**
~symbol in the pathname ~/docs/cs604/handouts represented_.
A. Root directory
B. Child directory
C. Login directory **Page 22**
D. Parent directory

Question No:211 **(Marks:01)** **Vu-Topper RM**
The round-robin (RR) scheduling algorithm is designed especially for_____.
A. Nice systems

بری صحبت سے تنہائی بہتر ہے اور تنہائی سے نیک صحبت بہتر ہے
For More Help Contact What's app 03224021365
Vu Topper RM

B. Batch system
C. Single-user systems
D. Time sharing system Page 85 ok

Question No:212 (Marks:01) Vu-Topper RM
All UNIX and LINUX systems have one thing in common which is ____
A. Set of commands
B. Set of instructions
C. Set of text editors
D. Set of system calls Google ok

Question No:213 (Marks:01) Vu-Topper RM
Consider a scenario of CPU protection, is added to the operating system in order to detect and avoid loop in a user program.
A. I/O
B. Timer Page 11
C. Base and limit register
D. Turning interrupt enable off

Question No:214 (Marks:01) Vu-Topper RM
Semaphore S is a/an__type of variable to use as synchronization tool.
A. Float
B. Integer Page 108
C. Double
D. Boolean

Question No:215 (Marks:01) Vu-Topper RM
Which of the following command is used to read data from file named academics?
A. ran>academics
B. cat<academics Page 55 ok
C. con<academics
D. socket>academics

Question No:216 (Marks:01) Vu-Topper RM
We can use semaphore to deal with the number of____process critical section problem.

بری صحبت سے تنہائی بہتر ہے اور تنہائی سے نیک صحبت بہتر ہے
For More Help Contact What's app 03224021365

A. 1
B. N Page 108
C. n-1
D. 2n

Question No:217 (Marks:01) Vu-Topper RM
Software section to critical section problem can run only in environment
A. Multiprocessor
B. Multithreading
C. Uniprocessor Page 105
D. Separate address spacing

Question No:218 (Marks:01) Vu-Topper RM
View is that operating system is resource manager.
A. Top-down
B. Single-up
C. Down-up
D. Bottom -up Page 3

Question No:219 (Marks:01) Vu-Topper RM
Co-operating process sharing a piece of code are executed periodicallyto solve
A. Aging problem
B. Waiting problem
C. Non-concurrency
D. Critical section problem Page 97

Question No:220 (Marks:01) Vu-Topper RM
The section of code after the critical section is called _____.
A. Exit section
B. Entry section
C. Crystal section
D. Remainder section Page 98 ok

Question No:221 (Marks:01) Vu-Topper RM

بری صحبت سے تنہائی بہتر ہے اور تنہائی سے نیک صحبت بہتر ہے
For More Help Contact What's app 03224021365
VuTopperRM

Both in two atomic instructions TestAndSet and swap two critical section requirements are satisfied but not.

A. Progress
B. Assumptions
C. Mutual exclusion
D. Bounded waiting Page 106

Question No:222 (Marks:01) Vu-Topper RM

TSL based solution can implement mutual exclusion, it abbreviates _____.

A. Trap Set Solution
B. Test Set Instrument
C. Test Swap Instruction
D. Test and set instruction Page 106 ok

Question No:223 (Marks:01) Vu-Topper RM

To prevent a process from keeping CPU for too long, control is shifted to another ready process by invoking a timer_____.

A. When running process finishes its task.
B. When running process makes a system call.
C. Every time a process finishes its time slice. Page 11
D. Every time a free space is available in main memory.

Question No:224 (Marks:01) Vu-Topper RM

P1, P2, P3, P4, P5 are five processes with ticket numbers P1=1, P2=2, P3=4, P4=2, P5=4 then considering Lamport's bakery algorithm, _____ process enters critical section after P1.

A. P2 ok
B. P3
C. P1
D. P4

Question No:225 (Marks:01) Vu-Topper RM

بری صحبت سے تنہائی بہتر ہے اور تنہائی سے نیک صحبت بہتر ہے
For More Help Contact What's app 03224021365

You can use the bg command to put the current or a suspended process into the background. What is the correct syntax of bg command from the following _____.

A. bg [%id]
B. bg [job#]
C. bg [id#]
D. bg[%job-id] Page 65 ok

Question No:226 (Marks:01) Vu-Topper RM

In LINUX directory structure, there is root directory.

A.1 Page 23
B.2
C.3
D.4

Question No:227 (Marks:01) Vu-Topper RM

____ is a virtual directory in Linux and Unix.

A. /proc
B. /temp
C. /ver
D. /boot

Question No:228 (Marks:01) Vu-Topper RM

The Home Directory for superuser in Linux and Unix is

A. /
B. /home
C. /root
D. None of the given

Question No:229 (Marks:01) Vu-Topper RM

_____ is/are Pre-defined GDI object(s) in Windows.

A. A.Pens
B. Brushes
C. Fonts
D. All of the given options

Question No:230 (Marks:01) Vu-Topper RM

If a window owns child Windows, and we destroy owner Window then_____.

بری صحبت سے تنہائی بہتر ہے اور تنہائی سے نیک صحبت بہتر ہے
For More Help Contact What's app 03224021365

A. **Only owner window will be destroyed**
B. Only its owned window will be destroyed
C. Both owner and owned Windows will be destroyed
D. The application will be crashed

Question No:231 (Marks:01) Vu-Topper RM
The window _____ is the color or pattern used to fill the client area before a window begins drawing
A. Caption
B. Color palette
C. **Background**
D. Foreground

Question No:232 (Marks:01) Vu-Topper RM
What kind of messages can be display using messagebox function?
A. Long messages
B. **Short messages**
C. Null value

Question No:233 (Marks:01) Vu-Topper RM
On which machines the scheduler can move individual threads to different processors to "balance" the CPU load.
A. Miniprocessor
B. **Multiprocessor**
C. Doubleprocessor
D. None of given options

Question No:234 (Marks:01) Vu-Topper RM
CPU bound processes are scheduled An operating system is easily portable between varying hardware designs in structural approach.
A. Virtual Machines
B. Simple
C. Layered
D. **Micro kernal**

Question No:235 (Marks:01) Vu-Topper RM
Swapper is also termed as Short term scheduler.

بری صحبت سے تنہائی بہتر ہے اور تنہائی سے نیک صحبت بہتر ہے
For More Help Contact What's app 03224021365
VuTopperRM

1
0

Question No:236 (Marks:01) Vu-Topper RM
/usr/X11R6 is used by the X Window System.
True
False

Question No:237 (Marks:01) Vu-Topper RM
/opt is used for storage of large applications.
True
False

Question No:238 (Marks:01) Vu-Topper RM
Linux Treats Devices as Files.
True
False

Question No:239 (Marks:01) Vu-Topper RM
~/vusr/CS604 is an example of _____ pathname.
Absolute
Relative

Question No:240 (Marks:01) Vu-Topper RM
_____ is used to check the predefined identifiers.
#ifdef

Question No:241 (Marks:01) Vu-Topper RM
An absolute pathname starts with the root directory (/) and a relative pathname starts with your home directory.
True
False

Question No:242 (Marks:01) Vu-Topper RM
rmkdir command is used to _____ an empty directory.
A. Move
B. Create

بری صحبت سے تنہائی بہتر ہے اور تنہائی سے نیک صحبت بہتر ہے
For More Help Contact What's app 03224021365
Vu Topper RM

C. Modify
D. Remove **Page 27** **ok**

Question No:243 **(Marks:01)** **Vu-Topper RM**
Kernel threads are supported directly by the operating system. The kernel performs the scheduling, creation, and management in ------ command display the status of a
process.
ps **Page 63**

Question No:244 **(Marks:01)** **Vu-Topper RM**
The critical section problem can‟t be solved by the following except
Firmware based solution **Page 99**

Question No:245 **(Marks:01)** **Vu-Topper RM**
Mkfifo () is a _____.
Non of this

Question No:246 **(Marks:01)** **Vu-Topper RM**
Preventing a condition of _____ to happen, deadlocks can be prevented to happen.
Circular wait **Page 136**

Question No:247 **(Marks:01)** **Vu-Topper RM**
Swapper is also termed as Short term scheduler.
False **Page 36**

Question No:248 **(Marks:01)** **Vu-Topper RM**
The condition in which a set {P0, P1… Pn} of waiting processes must exist such that P0 is waiting for a resource that is held by P1, P1 is waiting for a resource that is held by P2, and so on, Pn-1 is waiting for a resource held by Pn, and Pn is waiting for a resource held by P0. This condition is known as_____.
Circular wait **Page 131**

Question No:249 **(Marks:01)** **Vu-Topper RM**
An acyclic graph does not allow directories to have shared subdirectories and files.

بری صحبت سے تنہائی بہتر ہے اور تنہائی سے نیک صحبت بہتر ہے
For More Help Contact What's app 03224021365

False
True

Question No:250 (Marks:01) Vu-Topper RM
Linux OS can support multiple users at a time.
False
True

Question No:251 (Marks:01) Vu-Topper RM
A modification of free-list approach in free space management is to store the addresses of n free blocks in the first free block, known as _____.
Grouping

Question No:252 (Marks:01) Vu-Topper RM
Main memory is _____ memory.
A. Virtual
B. Volatile
C. Permanent
D. Non-volatile

Question No:253 (Marks:01) Vu-Topper RM
Which command display permissions and some other attributes for prog1.c in your current directory?
Page offset

Question No:254 (Marks:01) Vu-Topper RM
_____ indicates size of the page table.
Page offset

Question No:255 (Marks:01) Vu-Topper RM
The set of all physical addresses corresponding to the logical addresses is a _____ of the process.
Physical address space
Question No:256 (Marks:01) Vu-Topper RM
When a _____link is created, a directory entry for the existing file is created
Hard

بری صحبت سے تنہائی بہتر ہے اور تنہائی سے نیک صحبت بہتر ہے
For More Help Contact What's app 03224021365

Question No:257 (Marks:01) Vu-Topper RM
_____ consists of a large array of words or bytes, each with its own address.
Memory

Question No:258 (Marks:01) Vu-Topper RM
Deadlock _____ provides a set of methods for ensuring that at least one of the necessary conditions cannot hold.
Prevention

Question No:259 (Marks:01) Vu-Topper RM
If a process continues to fault, replacing pages, for which it then faults and brings back in right away. This high paging activity is called _____.
Thrashing

Question No:260 (Marks:01) Vu-Topper RM
The _____ is a single program that produces an object file.
Compiler

Question No:261 (Marks:01) Vu-Topper RM
The collection of processes that is waiting on the disk to be brought into the memory for execution forms the --------

A. Output queue
B. Input queue Page 151
C. None of the given options
D. Both input and output queue

Question No:262 (Marks:01) Vu-Topper RM
Semaphores are used to synchronize _____ processes.
Concurrent

Question No:263 (Marks:01) Vu-Topper RM
If validation bit is 0, it indicates a/an _____ state of segment.
Illegal

Question No:264 (Marks:01) Vu-Topper RM

بری صحبت سے تنہائی بہتر ہے اور تنہائی سے نیک صحبت بہتر ہے
For More Help Contact What's app 03224021365
VuTopperRM

The address generated by the CPU, after any indexing or other addressing-mode arithmetic, is called a --------address, and the address it gets translated to by the MMU is called a ---------address.

A. Valid, invalid
B. Physical, Virtual
C. Virtual, physical **Page 153**
D. Hexadecimal, Binary

Question No:265 **(Marks:01)** **Vu-Topper RM**
Deadlock can be deal with _____ ways.
3

Question No:266 **(Marks:01)** **Vu-Topper RM**
The section of cose before the critical section is called
Entry Section

Question No:267 **(Marks:01)** **Vu-Topper RM**
What do we name to an address that is generated by the CPU?

A. Logical address **Page 152**
B. Binary addresses
C. Physical address
D. None of the given options

Question No:268 **(Marks:01)** **Vu-Topper RM**
Operating system enables the user to use the Hardware Resources.
True
False

Question No:269 **(Marks:01)** **Vu-Topper RM**
Hardware provide basic computing resource.
True
False

Question No:270 **(Marks:01)** **Vu-Topper RM**
Users are the People, machines or computers that uses the Hardware resources.
True
False

بری صحبت سے تنہائی بہتر ہے اور تنہائی سے نیک صحبت بہتر ہے
For More Help Contact What's app 03224021365
Vu Topper RM

Question No:271 (Marks:01) Vu-Topper RM
Application Programs are methods that enable the use of Hardware resources to solve the user's Problem.
True
False

Question No:272 (Marks:01) Vu-Topper RM
The Top-down view is that it is a program that acts as an intermediary between a user of a computer and the computer hardware, and makes the computer system convenient to use.
True
False

Question No:273 (Marks:01) Vu-Topper RM
The bottom-up view is that operating system is a resource manager who manages the hardware and software resources in the computer system.
True
False

Question No:274 (Marks:01) Vu-Topper RM
In Top-down OS, user simply give a Command and reset is done by the OS.
True
False

Question No:275 (Marks:01) Vu-Topper RM
Operating System is the Manager of Hardware Resources.
True
False

Question No:276 (Marks:01) Vu-Topper RM
In Layered Approach of OS, the Layer highest Layer is User Interface layer.
True
False

بری صحبت سے تنہائی بہتر ہے اور تنہائی سے نیک صحبت بہتر ہے
For More Help Contact What's app 03224021365
Vu Topper RM

Question No:277 **(Marks:01)** **Vu-Topper RM**
If a system is not in a safe state, there can be No deadlocks.
True
False **Page 137**
Question No:278 **(Marks:01)** **Vu-Topper RM**
usr/include/sys/vusr.h is an example of _____ path
Absolute

Question No:279 **(Marks:01)** **Vu-Topper RM**
The scheduling of _____ are done by the operating system.
Both kernel and user level thread

Question No:280 **(Marks:01)** **Vu-Topper RM**
All threads within a process share the _____ address space.
Different

Question No:281 **(Marks:01)** **Vu-Topper RM**
A process is said to be in critical section if it executes code that manipulates shared data
True
False

Question No:282 **(Marks:01)** **Vu-Topper RM**
DOS is single user operating system.
True
False

Question No:283 **(Marks:01)** **Vu-Topper RM**
Round Robin algorithm is similar to _____ scheduling but preemption is added to
First Come First Server

Question No:284 **(Marks:01)** **Vu-Topper RM**
The ----------system call is used to open or create a file.
Open () Google

Question No:285 **(Marks:01)** **Vu-Topper RM**
---------- Threads are implemented by a thread library.

بری صحبت سے تنہائی بہتر ہے اور تنہائی سے نیک صحبت بہتر ہے
For More Help Contact What's app 03224021365

User thread **Page 70**

Question No:286 **(Marks:01)** **Vu-Topper RM**
Linux is only single user operating system
False **Page 4**
True

Question No:287 **(Marks:01)** **Vu-Topper RM**
While using the read/write system call which data type is used to return the size of file to buffer from file descriptor fd?
A. Fifo
B. Pipefd
C. ssize_t
D. SIZE_MAX **Page 45** **ok**

Question No:288 **(Marks:01)** **Vu-Topper RM**
In Unix/Linux ---------- are used for client server communication to pass data between a server process and client processes.
FIFO **Page 60**

Question No:289 **(Marks:01)** **Vu-Topper RM**
A condition where a set of blocked processes each holding a resource and waiting to acquire a resource held by another process in the set is termed as _____.
Deadlock **Page 130**

Question No:290 **(Marks:01)** **Vu-Topper RM**
The integer value of _____semaphores can range over an unrestricted integer domain.
Counting

Question No:291 **(Marks:01)** **Vu-Topper RM**
What do we name to an address that is loaded into the memory-address register of the memory?
A. Logical address
B. Physical address **Page 155**
C. Binary addresses
D. None of the given options

بری صحبت سے تنہائی بہتر ہے اور تنہائی سے نیک صحبت بہتر ہے
For More Help Contact What's app 03224021365
Vu Topper RM

Question No:292 (Marks:01) Vu-Topper RM
Cache is non-volatile memory.
False Page 153

Question No:293 (Marks:01) Vu-Topper RM
_____ algorithm is used in Deadlock avoidance.
Banker"s Page 139

Question No:294 (Marks:01) Vu-Topper RM
The ----------scheme is not applicable to a resource allocation system with multiple instances of each resource type.
Wait for graph Page 148

Question No:295 (Marks:01) Vu-Topper RM
---------- register contains the size of the process

A. Base register
B. Index register
C. Limit register Page 13
D. Stack pointers register

Question No:296 (Marks:01) Vu-Topper RM
graph contains a _____
Cycle Page 147

Question No:297 (Marks:01) Vu-Topper RM
Operating System provides services such as Managing Primary and Secondary Storage, Processes and Allowing user to manage his/her files and directories.
True Page 5

Question No:298 (Marks:01) Vu-Topper RM
Starvation is infinite blocking caused due to unavailability of resources.
True Page 115

Question No:299 (Marks:01) Vu-Topper RM

بری صحبت سے تنہائی بہتر ہے اور تنہائی سے نیک صحبت بہتر ہے
For More Help Contact What's app 03224021365
Vu Topper RM

The integer value of _____ semaphores can not be greater than 1.

Binary **Page 117**

Question No:300 **(Marks:01)** **Vu-Topper RM**

Banker‟s algorithm is used for _____

Deadlock avoidance **Page 140**

Question No:301 **(Marks:01)** **Vu-Topper RM**

The _____ requires that once a writer is ready, that writer performs its write as soon as possible , if a writer waiting to access the object, no new readers may start reading.

second readers-writers problem **Page 119**

Question No:302 **(Marks:01)** **Vu-Topper RM**

Each page is a power of -------- bytes long in paging scheme.

4 **Page 167**

Question No:303 **(Marks:01)** **Vu-Topper RM**

A page table needed for keeping track of pages of the page table is called ----------

A. Page size
B. 2-level paging
C. Page directory **Page 173**
D. Page table size

Question No:304 **(Marks:01)** **Vu-Topper RM**

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

A. Pages, frame
B. Frames, holes
C. Frames, pages **Page 165**
D. Holes, segments

Question No:305 **(Marks:01)** **Vu-Topper RM**

Binary semaphores are those that have only two values---------

بری صحبت سے تنہائی بہتر ہے اور تنہائی سے نیک صحبت بہتر ہے

For More Help Contact What's app 03224021365

Vu Topper RM

0 and 1 **Page 117**

Question No:306 **(Marks:01)** **Vu-Topper RM**
The ----------semaphore provides mutual exclusion for accesses to the buffer pool and is initialized to
the value 1.
mutex **Page 118**

Question No:307 **(Marks:01)** **Vu-Topper RM**
Which register holds the smallest legal physical memory address for a process?
Base register **Page 13**

Visit My YouTube Channel
For More Important Notes
Channel Name = #VuTopperRM

بری صحبت سے تنہائی بہتر ہے اور تنہائی سے نیک صحبت بہتر ہے
For More Help Contact What's app 03224021365