Program: BE **Information Technology** Engineering

Curriculum Scheme: Revised **2012**

Examination: Third Year Semester **V**

Course Code: **TEITC502** and Course Name: **Operating System**

Time: 1 hour
Max. Marks: 50

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Note to the students:- All the Questions are compulsory and carry equal marks .

Q1.	Memory management refers to management of Primary Memory or Main Memory
Option A:	Volatile Memory
Option B:	Secondary Memory
Option C:	Virtual memory
Option D:	Primary & main memory
Q2.	In multi-programming environment, the OS decides which process gets the processor when and for how much time. This function is called process scheduling
Option A:	Multi-programming
Option B:	Process Management
Option C:	process scheduling
Option D:	Device Management
Q3.	Select the Disadvantage of the User level threads .
Option A:	Thread switching does not require Kernel mode privileges
Option B:	User level threads are fast to create and manage
Option C:	Multithreaded application cannot take advantage of multiprocessing.
Option D:	User level threads are fast to create and manage
Q4.	Select the correct statement
Option A:	Resource consumption is more in threads
Option B:	Resource consumption is more in threads and process
Option C:	Resource consumption is more in process
Option D:	Resource consumption is less in process

Q5.	_____policy, a low priority process has to be suspend its execution if high priority process is waiting in the same queue for its execution
Option A:	Preemptive schedular
Option B:	Non-Preemptive schedular
Option C:	Long term schedular
Option D:	Interactive and batch process
Q6.	_____operating system supports for many number of users to work on same computer at the same time
Option A:	Multiprocessing
Option B:	Multithreading
Option C:	Multiuser
Option D:	Multitasking
Q7.	Which of the following is not the type of the system call.
Option A:	File manipulation
Option B:	Communication
Option C:	Protection and security
Option D:	Process manipulation
Q8.	A race condition is triggered when multiple processes or threads write and read
Option A:	Input
Option B:	Information
Option C:	Programs
Option D:	Data items
Q9.	What can prevent the circular wait condition?
Option A:	defining a linear ordering of resource types
Option B:	using thread
Option C:	using pipes
Option D:	removing resources
Q10.	Name the deadlock avoidance algorithm?
Option A:	banker's algorithm
Option B:	round-robin algorithm
Option C:	elevator algorithm
Option D:	karn's algorithm
Q11.	In multitasking when a process is perpetually denied necessary resources then a problem arises, what is it called _____

Option A:	Deadlock
Option B:	Starvation
Option C:	Inversion
Option D:	Aging
Q12.	The way of aborting processes and eliminating deadlocks are _____
Option A:	Abort all deadlocked processes
Option B:	Abort all processes
Option C:	Abort one process at a time until the deadlock cycle is eliminated
Option D:	wait till deadlock ends itself
Q13.	The size of a page is typically _____
Option A:	Varied
Option B:	power of 2
Option C:	power of 4
Option D:	power of 10
Q14.	With paging there is no _____ fragmentation.
Option A:	Internal
Option B:	External
Option C:	either type of
Option D:	Mixed
Q15.	Paging increases the _____ time.
Option A:	Waiting
Option B:	Execution
Option C:	context – switch
Option D:	Allocation
Q16.	Run time mapping from virtual to physical address is done by _____
Option A:	Memory management unit
Option B:	CPU
Option C:	PCI
Option D:	process register
Q17.	The data-in register of I/O port is _____
Option A:	Read by host to get input
Option B:	Read by controller to get input
Option C:	Written by host to send output
Option	Written by host to start a command

D:	
Q18.	The host sets _____ bit when a command is available for the controller to execute.
Option A:	write
Option B:	status
Option C:	command-ready
Option D:	control
Q19.	A process is moved to wait queue when I/O request is made with _____
Option A:	non-blocking I/O
Option B:	blocking I/O
Option C:	asynchronous I/O
Option D:	synchronous I/O
Q20.	The usual BUS structure used to connect the I/O devices is
Option A:	Star BUS structure
Option B:	Multiple BUS structure
Option C:	Single BUS structure
Option D:	Node to Node BUS structure
Q21.	A .... is the basic element of data where individual field contains a single value, such as an employees last name, a data or the value of the sensor reading.
Option A:	field
Option B:	record
Option C:	File
Option D:	Database
Q22.	.... communicate directly with peripheral devices or their controllers or channels.
Option A:	Device drivers
Option B:	Physical I/O
Option C:	Basic I/O supervisor
Option D:	Logical I/O
Q23.	.... are used mostly in applications where data are rarely processed exhaustively.
Option A:	pile
Option B:	sequential file
Option C:	indexed sequential file
Option	indexed file

D:	
Q24.	Which Of The Following Commands Should You Use To Delete Files On A Linux System?
Option A:	Mv
Option B:	Expunge
Option C:	Delete
Option D:	Rm
Q25.	Identify false statement
Option A:	You can find deleted files in recycle bin
Option B:	You can restore any files in recycle bin if you ever need
Option C:	You can increase free space of disk by sending files in recycle bin
Option D:	You can right click and choose Empty Recycle Bin to clean it at once