

Program: BE Computer Engineering

Curriculum Scheme: Revised 2016

Examination: Third Year Semester V

Course Code: CSDLO5012 and Course Name: Advance Operating System

Time: 1hour

Max. Marks: 50

=====

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

Q1.	The central component of an OS is
Option A:	Register
Option B:	CPU
Option C:	Kernel
Option D:	Memory
Q2.	DOS does not enable
Option A:	Resource sharing
Option B:	Discovery
Option C:	Communication
Option D:	Reliability
Q3.	Which of the following is not a type of transparency?
Option A:	Access
Option B:	Location
Option C:	Migration
Option D:	Transaction
Q4.	Which is most popularly used and best sold Mobile OS ?
Option A:	iOS
Option B:	Android OS
Option C:	Windows OS
Option D:	Symbian OS
Q5.	What is a directory file?
Option A:	a directory containing data
Option B:	a directory containing details of the files and subdirectories it contains
Option C:	a directory contains files
Option D:	a directory containing data and files
Q6.	When we log in, the UNIX places us in a directory, called _____ directory.

Option A:	home
Option B:	main
Option C:	parent
Option D:	current
Q7.	The root directory is represented by __
Option A:	\
Option B:	/
Option C:	*
Option D:	\$
Q8.	Permissions of a file are represented by which of the following characters?
Option A:	r,w,x
Option B:	e,w,x
Option C:	x,w,e
Option D:	e,x,w
Q9.	If kernel cannot find block on hash queue, it allocates a buffer from
Option A:	hash queue
Option B:	buffer queue
Option C:	free list
Option D:	free queue
Q10.	Context of process is not saved in case of
Option A:	system call
Option B:	interrupts
Option C:	executing process
Option D:	context switch
Q11.	Algorithm for handling interrupts uses
Option A:	interrupt vector
Option B:	interrupt array
Option C:	interrupt matrix
Option D:	interrupt list
Q12.	Region table does not contains
Option A:	region size
Option B:	region type
Option C:	region number
Option D:	region location
Q13.	which of the following is not a process state
Option A:	ready to run

Option B:	sleeping in swap space
Option C:	ready to run, but not in swap space
Option D:	executing command
Q14.	Which is a design issue in distributed system structure?
Option A:	scalability
Option B:	failure
Option C:	collaboration
Option D:	polling
Q15.	Which amongst the following is not an advantage of Distributed systems?
Option A:	Resource sharing
Option B:	Incremental growth
Option C:	Reliability
Option D:	Message passing
Q16.	What is the characteristics of atomicity ?
Option A:	Use communication links
Option B:	One processor as coordinator which handles all requests
Option C:	When responses are received from all processes, then process can enter its Critical Section
Option D:	All operations associated are executed to completion or none are performed
Q17.	The transparency that enables multiple instances of resources to be used, is called _____
Option A:	Performance transparency
Option B:	Scaling transparency
Option C:	Concurrency transparency
Option D:	Replication transparency
Q18.	_____ is used for achieving Mutual exclusion
Option A:	Software instruction
Option B:	Hardware instruction
Option C:	Test instruction
Option D:	User instruction
Q19.	Which scheduling uses flag for entering Critical Section

Option A:	smart scheduling
Option B:	affinity based scheduling
Option C:	co scheduling
Option D:	Gang based scheduling
Q20.	In which scheduling task is executed on same processor every time ?
Option A:	smart scheduling
Option B:	affinity based scheduling
Option C:	co scheduling
Option D:	Gang based scheduling
Q21.	Following instruction is not used to achieve Mutual exclusion
Option A:	swap
Option B:	compare and swap
Option C:	test and set
Option D:	retest
Q22.	Following is not a type of RTOS
Option A:	Hard
Option B:	Soft
Option C:	Firm
Option D:	Mild
Q23.	In real time operating system _____
Option A:	all processes have the same priority
Option B:	a task must be serviced by its deadline period
Option C:	process scheduling can be done only once
Option D:	kernel is not required
Q24.	Hard real time operating system has _____ jitter than a soft real time operating system.
Option A:	less
Option B:	more
Option C:	equal
Option D:	twice
Q25.	For real time operating systems, interrupt latency should be _____
Option A:	minimum
Option B:	maximum
Option C:	zero
Option D:	dependent on the scheduling