University of Mumbai
Examination 2020 under cluster 5 (APSIT)

Program: BE Electronics & Telecommunication Engineering

Curriculum Scheme: Revised 2012

Examination: Third Year Semester VI

Course Code: ETC605 and Course Name: Operating System

Time: 1 hour   Max. Marks: 50

==

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

Q1.	Which one of the following is not a real time operating system?
Option A:	Windows CE
Option B:	RT Linux
Option C:	Palm os
Option D:	Kali linux os
Q2.	Which of the following is not system call of file manipulation.
Option A:	Create File
Option B:	Delete File
Option C:	Set system Data
Option D:	Set File attribute
Q3.	Which of the following is not a system call :
Option A:	Chmod
Option B:	Open
Option C:	Lseek
Option D:	Getc
Q4.	Which of the following process scheduling algorithm may lead to starvation
Option A:	FIFO
Option B:	Round Robin
Option C:	Shortest Job Next
Option D:	LRU
Q5.	Find The Average Wating time And Turn-around Time for the process : p1,p2,p3,p4,p5 and the burst time is 4,64,26,10,2 using SJF Scheduling.
Option A:	21.5
Option B:	26.5
Option C:	21.2
Option D:	55.6

Q6.	Find The Average Waiting time And Turn-around Time for the process : p1,p2,p3,p4 and the burst time is 10,4,5,3 and arrival time is 1,2,3,4 using FcFs Scheduling.
Option A:	5.5,6.6ms
Option B:	9.25,7.5ms
Option C:	14.75,9.25
Option D:	25.2,15.7
Q7.	When process state transition takes place from new to ready, then there _____ comes in picture for scheduling process.
Option A:	Short-term Schedular
Option B:	Long-term schedular
Option C:	Medium-term schedular
Option D:	Context switching
Q8.	_____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
Q9.	What will happen in the single level directory?
Option A:	All files are contained in different directories all at the same level
Option B:	All files are contained in the same directory
Option C:	Depends on the operating system
Option D:	all files must have unique owners
Q10.	All users in a group get _____ access to a file.
Option A:	Different
Option B:	Similar
Option C:	Same
Option D:	Single
Q11.	The _____ keeps state information about the use of I/O components.
Option A:	CPU
Option B:	OS
Option C:	Kernel
Option D:	Shell
Q12.	RAID level 1 refers to _____
Option A:	disk arrays with striping
Option B:	disk mirroring
Option C:	both disk arrays with striping and disk mirroring
Option D:	disk striping

Q13.	An asynchronous call _____
Option A:	returns immediately, without waiting for the I/O to complete
Option B:	does not return immediately and waits for the I/O to complete
Option C:	consumes a lot of time
Option D:	is too slow
Q14.	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
Q15.	Which process is immediately set up by the kernel when we log on to a UNIX system?
Option A:	Shell
Option B:	Parent
Option C:	Shell
Option D:	Bash
Q16.	Using the _____ account of a UNIX system, one can carry out administrative functions.
Option A:	Root
Option B:	Administrative
Option C:	User
Option D:	Client
Q17.	Which of the below stores device files?
Option A:	/etc/
Option B:	/bin/
Option C:	/dev/
Option D:	/root/
Q18.	What is the function of chown command in Linux
Option A:	Creates a thread
Option B:	Creates a child process
Option C:	Changes the mode of operation to kernel mode
Option D:	Changes the users and/or group ownership of each given file
Q19.	What can be used to setup a firewall on a Linux system?
Option A:	Netstat
Option B:	Route
Option C:	Trace
Option D:	Ipchains
Q20.	The OS which is not based on Linux is
Option A:	BSD
Option B:	Ubuntu

Option C:	Cent Os
Option D:	Red hat
Q21.	Which of the following is the intermediate between the hardware and the shell in Linux operating system
Option A:	Kernel
Option B:	Ram disk
Option C:	Bios
Option D:	Logs
Q22.	Event latency is :
Option A:	the amount of time an event takes to occur from when the system started
Option B:	the amount of time from the event occurance till the system stops
Option C:	the amount of time from event occurance till the event crashes
Option D:	the amount of time that elapses from when an event occurs to when it is serviced.
Q23.	The disadvantage of real addressing mode is :
Option A:	there is a lot of cost involved
Option B:	time consumption overhead
Option C:	absence of memory protection between processes
Option D:	restricted access to memory locations by processes
Q24.	Time required to synchronous switch from the context of one thread to the context of another thread is called
Option A:	threads fly-back time
Option B:	jitter
Option C:	context switch time
Option D:	back time

Q25.	In rate monotonic scheduling	5 | P a g e
Option A:	shorter duration job has higher priority	
Option B:	longer duration job has higher priority	
Option C:	priority does not depend on the duration of the job	
Option D:	same priority	