Question-1: Why is the Software interrupt required by the processor?
a) Return from subroutine
b) Obtain system services, which need execution of privileged instruction
c) Test the interrupt system of the processor
d) Implement co-routines

Question-2: To access the services of operating system, the interface is provided by the _____.
a) System calls
b) API
c) Library
d) Assembly instructions

Question-3: Which of the following is correct regarding operating system?
a) It manages the computer hardware
b) It executes user programs
c) Provide system services to the application
d) All of the above

Question-4: What must reside in the main memory under all situations in a resident - OS computer?
a) Linker
b) Loader
c) Assembler
d) Compiler

Question-5: What is operating system?
a) Collection of programs that manages hardware resources
b) System service provider to the application programs
c) Link to interface the hardware and application programs
d) All of the above

Question-6: Which one of the following error will be handled by the operating system?
a) Power failure
b) Lack of paper in printer
c) Connection failure in the network
d) All of the above

Question-7: By operating system, the resource management can be done via _____.
a) Time division multiplexing
b) Space division multiplexing
c) Time and space division multiplexing
d) None of the above

Question-8: Where does a computer add and compare data?
a) Hard disk
b) Floppy disk
c) CPU chip
d) Memory chip

Question-9: If a process fails, most operating system write the error information to a _____.
a) Log file
b) Another running process
c) New file
d) None of the above

Question-10: OS: Shell is the exclusive feature of which software?
a) UNIX
b) DOS
c) System software
d) Application software

Question-11: Which one of the following is not true?
a) Kernel is the program that constitutes the central core of the operating system
b) Kernel is the first part of operating system to load into memory during booting
c) Kernel is made of various modules which cannot be loaded in running operating system
d) Kernel remains in the memory during the entire computer session

Question-12: The main function of the command interpreter is:
a) To get and execute the next user-specified command
b) To provide the interface between the API and application program
c) To handle the files in operating system
d) None of the above

Question-13: By operating system, the resource management can be done via:
a) Time division multiplexing
b) Space division multiplexing
c) Both (a) and (b)
d) None of the above

Question-14: If a process fails, most operating system writes the error information to a:
a) Log file
b) Another running process
c) New file
d) None of the above

Question-15: Which facility dynamically adds probes to a running system, both in user processes and in the kernel?
a) DTrace
b) DLocate
c) DMAP
d) DAdd

Question-16: Which one of the following is not a real time operating system?
a) VxWorks
b) Windows CE
c) RTLinux
d) Palm OS

Question-17: The OS X has:
   a) Monolithic kernel
   b) Hybrid kernel
   c) Microkernel
   d) Monolithic kernel with modules

Question-18: Which one of the following is not shared by threads?
   a) Program counter
   b) Stack
   c) Both (a) and (b)
   d) None of the above

Question-19: Which of the following are forms of malicious attack?
   a) Theft of information
   b) Modification of data
   c) Wiping of information
   d) All of the above

Question-20: What are common security threats?
   a) File Shredding
   b) File sharing and permission
   c) File corrupting
   d) File integrity

Question-21: From the following, which is not common file permission?
   a) Write
   b) Execute
   c) Stop
   d) Read

Question-22: Which of the following is a good practice?
   a) Give full permission for remote transferring
   b) Grant read only permission
   c) Grant limited permission to specified account
   d) Give both read and write permission but not execute.

Question-23: What is not a good practice for user administration?
   a) Isolating a system after a compromise
   b) Perform random auditing procedures
   c) Granting privileges on a per host basis
   d) Using telnet and FTP for remote access.

Question-24: What is characteristic of RADIUS system?
   a) It is essential for centralized encryption and authentication
   b) It works on Network layer to deny access to unauthorized people
   c) It provides centralized authentication mechanism via network devices
   d) It's a strong File access system.

Question-25: What is Trojan horse?
   a) It a useful way to encrypt password
   b) It is a user which steals valuable information

c) It is a rogue program which tricks users
d) It's a brute force attack algorithm.

Question-26: What is trap door?
   a) It is trap door in War Games
   b) It is a hole in software left by designer.
   c) It is a Trojan horse
   d) It is a virus which traps and locks user terminal

Question-27: Which mechanism is used by worm process?
   a) Trap door
   b) Fake process
   c) Spawn Process
   d) VAX process

Question-28: What is known as masquerading?
   a) When one participant in communication pretends to be someone else.
   b) When attacker modifies data in communication
   c) When attack is of fraudulent repeat of a valid data
   d) When attack gains access to remote systems.

Question-29: What is not a important part of security protection?
   a) Large amount of RAM to support antivirus
   b) Strong passwords
   c) Audit log periodically
   d) Scan for unauthorized programs in system directories

Question-30: How do viruses avoid basic pattern match of antivirus?
   a) They are encrypted
   b) They act with special permissions
   c) They modify themselves
   d) None of the above