1.	Applications communicate with kernel by using: a) System Calls b) C Programs c) Shell Script d) Shell
2.	The permission -rwxr-r- represented in octal expression will be a) 777 b) 666 c) 744 d) 711
3.	The permission -rwSr-r- represented in octal expression will be a) 0777 b) 2666 c) 4744 d) 4644
4.	If non root user tries to remove (rm) a file set with 444 permission, what will happen? a) The file is removed successfully (and silently) b) The rm command prompts for a confirmation, the command is successful upon confirmation c) The rm command prompts for a confirmation, however the operation fails because of insufficient permissions d) The rm command fails because of insufficient permissions
5.	If the umask value is 0002. what will be the permissions of new directory a) 777 b) 775 c) 774 d) 664
6.	Which signal is sent by the command "kill -9"? a) INT b) TERM c) KILL d) STOP
7.	The file system(ext2, ext3) information is stored in a) Boot block b) Super Block c) Inode Table d) Data Block

8.	Syntax to suppress the display of command error to monitor? a) command > &2 b) command 2> &1 c) command 2> &2 d) command 2> /dev/null
9.	What does the following command do? who wc -l a) List the number of users logged in b) List the users c) List the number of users in the system d) Display the content of who command
10.	In linux filesystem, the passwords of different users are stored in a) /etc/passwd file b) /bin/passwd file c) /etc/shadow file d) /bin/shadow file
11.	With a umask value of 112, what is the default permission assigned to newly created regular file? a) —x-x-wx b) -rw-rw-r- c) -r-xr-x-r- d) -rw-rw-r-
12.	Which command is used to assign read-write permission to the owner? a) chmod a+r file b) chmod o+r file c) chmod u=rw file d) chmod og-r file
13.	Which of these commands will set the permissions on file textfile to read and write for the owner, read for the group, and nothing for everyone else? a) chmod 046 textfile b) chmod 640 textfile c) chmod 310 textfile d) chmod rw r nil textfile
14.	a) wrong syntax b) set effective userid for filename c) set effective groupid for filename d) set the sticky bit

	a) S b) 0 c) 8 d) 1
16.	The process id of init process is: a) -1 b) 0 c) 1 d) 2
17.	Which file is read by init to get the default runlevel a) /etc/profile b) /etc/init c) /etc/boot d) /etc/inittab
18.	echo "The process id is" \$\$\$\$ a) The process id is \$\$ b) The process id is \$ <pid>\$<pid> c) The process id is <pid><pid> d) The process id is \$\$\$\$\$</pid></pid></pid></pid>
19.	How do you print the lines between 5 and 10, both inclusive a) cat filename head -10 tail -6 b) cat filename head tail -5 c) cat filename tail +5 head d) cat filename tail -5 head -10
20.	x = 3; y = 5; z = 10; if [(\$x -eq 3) -a (\$y -eq 5 -o \$z -eq 10)] then echo \$x else echo \$y fi a) 1 b) 3 c) 5 d) Error

15. Which of the following is not a valid run-level