

502-UNIX & SHELL PROGRAMMING MCQ					
Sr. No	Question	Option 1	Option 2	Option 3	Option 4
1	Unix OS was first developed by	Dennis Ritchie	Bjarne stroustrup	Ken Thompson	Brian Kernighan
2	Unix OS was first developed at	Microsoft corp. USA	AT & T Bell Labs, USA	IBM, USA	Borland International, USA
3	Unix is written in	C language	Ada language	Perl language	Pascal language
4	Unix is a	Single User, Single tasking OS	Single User, Multi-tasking OS	Multi-User, Multi- tasking OS	Multi-User, Single-tasking OS
5	Which of the following is a command for searching a pattern in a file?	Find	group	lookup	grep
6	Unix Command can be typed in	Lower case	Upper case	Both cases	Mixed cases
7	Shell Program is stored in a file called	unix	sh	cc	dd
8	Which Shell offers command history feature?	C shell	Bourne shell	Korn shell	Visual shell
9	The minimum number of links for any directory file are	3	4	1	2
10	The default value of umask is	1024	2048	0022	1001
11	Binary executable required for system administration is usually placed in _____ directory.	/etc	/usr	/dev	none
12	All user directories are usually placed in _____ directory.	/etc	/usr	/dev	none
13	If there are three links for a file then the number of copies of the file would be	One	Two	Three	Zero
14	After typing the contents of file test created by you by giving the command cat>test you save the contents by	Pressing the keys ctrl-c	Typing save and pressing enter	Pressing Esc key	Pressing ctrl-d
15	The file for which we do not have write permission can be deleted using the command	rm -l file	rm -i file	rm -r file	rm -f file
16	The permission 746 can be represented as	rw-rwx- -x	rw- -w-r-x	rwxr-xr-x	rwxr- -rw-
17	A Sticky bit applies to a file would mean that	No one can remove it	It would stick around in memory even when its execution is over	Next time you login it would get executed on its own	Only the file's owner or root user can remove it
18	The command pwd gives	Present Working Directory	Previous Working Directory	Password in encrypted form	Password in decrypted form
19	Which of the following is not a unix command	cd	rm	del	pwd

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20	The size of any block in the unix file system is	512 bytes	1024 bytes	2048 bytes	Any of the above
21	Each entry in inode table is of size	64 kb	32 kb	32 bytes	64 bytes
22	Which of the following is not an input mode command?	s	a	i	x
23	The state of the file system is contained in	Boot block	A special block created by Book Block	Super Block	Data Block
24	Which file gets executed when we use the passwd command	/etc/passwd	/etc/pwd	/bin/passwd	/passwd
25	The command cal j 1997 would give the output as	The calendar of jan, june and july 1997	Only calendar of jan 1997	An error	The calendar of january 1997
26	The output of command banner "Unix shell programming" would be	A banner showing 'unix','shell' and 'programming' words displayed in	A banner showing 'unix shell' in one single line	Nothing	A banner showing 'unix shell programming' in one line.
27	To see the last access time of various files in a file system the command is	ls -lu	ls -l	ls -ac	ls -mt
28	Which of the following is not true	Sorting is done on the basis of first character of each line	Sort command sorts a file word by word rather than line by line	Sort command has provision to do a numeric sort	Sort is not a filter
29	To change the access time of a file to 12:40 PM on 26th Jan 1997 the command would be	Touch -a 2601971240 file	Touch -a 1240260197 file	Touch -a 0126124097 file	Touch -a 9701261240 file
30	The command cut -f 2,8 -d ":"file1 would output	The fields 2 to 8 from file1 where delimiter between fields is :	The fields 2 to 8 from file1 including the delimiter : between fields	The columns 2 to 8 from file1 with : between each column	None of the above
31	The command to search the pattern "Hi there" in file1 would be	grep "Hi there" file1	grep Hi there file1	grep \file1	grep 'Hi there' file1
32	The command head f1 would display	First line of the file f1	Nothing	First 10 lines of the file f1	The whole file f1

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33	After you have entered text in your file, to save and quit vi you will use	Esc ZZ	Shift ZZ	Esc:q Enter	:wq
34	The difference between the commands ps -e and ps -a is	ps -e gives details of every process running in memory whereas ps -a gives output for all the process that you have launched	ps -e gives details of every process running in memory whereas ps -a gives details of all user processes	No difference , both give same output	None of the above
35	The father of all processes is	root	sh	init	sched
36	For a person to receive messages he should have his terminal set to a parameter which will allow him receive messages. The command to set this parameter is	message -on	msg -o	mesg -y	message -y
37	The command that unix offers to a user to find out whether he can send messages to a particular terminal are	finger and who	finger -mesg and who -T	finger -l and who -t	finger -l and who -T
38	The message of the day is stored in a file called	/etc/profile	/etc/pwd	/etc/motd	/etc/profile
39	The incoming mail of user with the login name bca1 is stored in the file	/usr/spool/mail/bca1	/usr/bca1/mbox	/spool/mail/bca1	/usr/bca1/mbox
40	.mailrc is the file	Which stores the incoming mail	Which is used to type the mail to be sent	Which is invoked when the mail command is executed	Which permits you to customize the vi environment
41	Which of the following assignments is illegal	a=`ls`	b=`ls -l`	c=`1922`	d=`who grep bca1`
42	The shell meta character \$# represents	Total number of arguments supplied to the shell script	Total number of files in the current directory	Total number of users who have logged in	Total number of processes running in the background
43	When we are executing a shell script the shell acts as	An interpreter	A compiler	An operating system	Assembler

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44	The metacharacter \$* represents	Number of parameters supplied at the command prompt	Parameters supplied at the command prompt	Value of the variable *	All files in the current directory
45	A shell variable cannot start with	An alphabet	A number	A special symbol other than underscore	A number and special symbol other than underscore
46	The statement z='expr 5/2' would store in z a value	2.5	3	2	0
47	The break statement is used to exit from	An if statement	A for loop	A program	if else statement
48	The cp command uses	Standard input file	Standard output file	Both input and output file	Neither input nor output file
49	Which command is used to terminate a process	shutdown	haltsys	cancel	kill
50	The command is used to compare the files is known as	comp	cmp	do	ccp
51	The command which transcribes the standard input to the standard output and also makes a copy of the same in a file is	tee	tr	sort	grep
52	Which command is used to remove a directory	rd	rmdir	didir	rdir
53	Which command is used to extract a specific columns from the file	cat	cut	grep	paste
54	Which command sends the word count of the file infile to the newfile.	wc infile > newfile	wc newfile	wc infile -newfile	wc infile newfile
55	Which command is used to remove the read permission of the file 'note' from both the group and others?	chmod go+r note	chmod go+rw note	chmod go-x note	chmod go-r note
56	Which command will be used with vi editor to insert text to left of cursor?	s	S	a	i
57	Which command is used to concatenate all files beginning with the string 'emp' and followed by a non-numeric characters?	cat emp[!0-9]	more [emp][!0-9]	cat emp[x-z]	cat emp[a-z]
58	Which of the following special shell variable is used to process number of the last background job?	\$_	\$@	\$#	\$*

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59	Which of the following commands is used to identify the type of file by context?	ls	cat	file	more
60	The field separator in cut command is specified with	-a option	-d option	-r option	-l option
61	Which option will be used with touch command to change the access time?	-a option	-d option	-r option	-l option
62	Which command is used to make all files and sub-directories in the directory (progs) executable by all users?	chmod -R a+x progs	chmod -R 222 progs	chmod -1 a+x progs	chmod -x a+x progs
63	Which command is used to display and create files?	cat	haltsys	ed	lyrix
64	Which of the following commands is used to display top lines of file?	head	tail	wc	cut
65	Which of the following command is used to join the file vertically?	paste	cut	uniq	head
66	Which command in unix is used by the system administrator to send message to all the logged in users?	mesg	window	wall	comm
67	_____command is used to suspend the foreground job.	fg	bg	ctrl+z	ctrl+d
68	Which of the following is an internal command?	ls	cat	date	pwd
69	_____comands don't generate process and are executed directly by kernel.	Internal	External	both	None of the above
70	Which of the signal is used to terminate a job for sure?	SIGINT	SIGTERM	SIGKILL	SIGQUIT
71	_____ is the feature used to store the output in a file instead of displaying it on monitor(Output device).	Input redirection	Output Redirection	long listing using ls	None of the above
72	_____ is the state of chprocess in which the process is terminated but its parent process doesn't read the exist status of it.	Orphan	background	Zombie	None of the above
73	_____ is the attribute of a file not stored in inode block of the file.	inode number	file name	file type	Userid
74	_____ represents beginning of file in the given regular expression.	\$	^	/	*

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75	Which of the following pattern will match with the regular expression <code>^[0-9]</code> ?	pattern that begins with digit	pattern that does not begin with digit	pattern that ends with digit	pattern that ends with alphabet
76	Identify the following operator. <code>"ch\{m,n\}"</code>	Character class	Repetition Operator	Save operator	Sequence Operator
77	Which of the following command is used to display all the lines starting with special characters in the file f1?	<code>grep "[a-zA-Z0-9].*\$" f1</code>	<code>grep -v "[a-zA-Z0-9].*\$" f1</code>	<code>grep "[a-zA-Z0-9].*\$" f1</code>	<code>grep "[A-Z0-9].*\$" f1</code>
78	Which one of the following command is used for searching for a pattern in one or more file(s)?	<code>cd</code>	<code>cp</code>	<code>paste</code>	<code>grep</code>
79	Which option is used with <code>grep</code> command for ignoring the case in pattern searching?	<code>-a</code>	<code>-v</code>	<code>-i</code>	<code>-e</code>
80	_____ option is used when we need to match multiple patterns in a single invocation of <code>grep</code> command?	<code>-a</code>	<code>-e</code>	<code>-n</code>	d) <code>-i</code>
81	What does the <code>-S</code> option do in <code>ls</code> command?	sorts according to modification time	sorts according to last access time	sorts according to file size	sorts according to inode number
82	Which of the following is not a subset of BRE (basic regular expression) character subset?	<code>*</code>	<code>.*</code>	<code>^\$</code>	<code>ch+</code>
83	Which of the following symbols are used for matching multiple patterns?	<code> </code>	<code>&</code>	(and)	<code> </code> and (and)
84	Which of the following commands is known as stream editor?	<code>sed</code>	<code>grep</code>	<code>grep</code>	<code>tr</code>
85	Which one of the following command will be used for quitting after selecting 3 lines from file emp.lst?	<code>sed -n 3 emp.lst</code>	<code>sed -i 1-3 emp.lst</code>	<code>sed '3q' emp.lst</code>	<code>sed -n</code>
86	Which option is used with <code>sed</code> for using multiple instructions?	<code>-f</code>	<code>-n</code>	<code>-e</code>	<code>-f</code> and <code>-e</code>
87	To perform context addressing, we have to enclose the pattern in _____	double quotes	single quotes	<code>//</code>	<code>\$ \$</code>
88	Which one of the following command will be used for adding two spaces before every line in emp.lst?	<code>sed 's/^/ /' emp.lst</code>	<code>sed 's / / /' emp.lst</code>	<code>sed 's /\$/ /' emp.lst</code>	<code>sed 's/\$/ /'</code>
89	Which shortcut does <code>sed</code> offer to replace the string Linux with Red hat Linux?	<code>{ }</code>	<code>()</code>	<code>^^</code>	<code>&</code>
90	Awk filter operates at field level.	TRUE	FALSE	May be	Can't say
91	The default action if selection_criteria is missing is _____	print	split	print and split	no default action
92	awk uses _____ for splitting a line into fields.	special parameters	shell variables	env variables	command arguments

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93	_____ section can be used if we've to print something before processing the first line.	end	begin	start	first
94	The command echo welcome > /dev / tty	Echoes welcome in all the terminals that	Echoes welcome in all the terminals that are	Echoes welcome only in the terminal in which it is run.	Both (a) and (c)
95	In awk, the built-in variable FS is	input field seperator	output field seperator	record seperator	subscript seperator
96	What is FNR?	FNR is the current record number in the current file	FNR is the number of fields in the current input record	FNR is an array contains the value of environment	None of the above
97	Which command will delete all the blank lines in file old.txt?	sed '/d' old.txt	sed '/^/d' old.txt	sed '/^\$/d' old.txt	sed '/^*/d' old.txt
98	_____ is the directory in which all the device files are stored?	/dev	/tmp	/usr	/bin
99	_____ is the command to delete all the digits from the file f1.	sed 's/[0-9]//g' f1	sed 's///g' f1	sed 's/[0-9]//' f1	sed 's/[a-zA-Z]//g' f1
100	_____ is the command used to start debugging.	set -x	set +x	set -d	set +d
101	If no file is specified in sed command then	sed command will not work	sed reads from standard input	sed reads the data already present in buffer	it is necessary to provide the filename
102	Which command is used to replace word 'cat' (already present in the file) with 'mouse' at all places in a file 'old.txt' and save the result in a new file 'new.txt'?	sed 's/cat/mouse/g' old.txt > new.txt	sed 's/cat/mouse' old.txt new.txt	sed '/s/cat/mouse/g' old.txt new.txt	sed '/s/cat/mouse' old.txt > new.txt
103	Which option can be used with 'rm' command to prompt for file removal?	-ask	-i	-c	-n
104	Following is the utility program to perform complex mathematical computation.	expr	bc	cal	calci
105	Out of the following which can place in home directory?	cd	cd ~	Both (a) and (b)	None
106	Identify the environment variable which designates secondary prompt.	PP1	SP2	PS1	PS2
107	To Extract Specific Columns From A File, _____ Command Is Used.	Tail	Head	Pr	Cut

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108	_____ represents the device driver this is actually the type of device being referred to.	minor number	inode number	major number	None of the above
109	_____ is the process that executes with process id 1.	getty	init	shell	None of the above
110	passwd as a data file, that stores user information with password is generally stored in _____ directory.	/etc	/dev	/tmp	/var
111	Which of the following character represents, link file in the output of "ls -l" command?	l	b	s	d
112	Which of the following command is used to rename a file as well as move a file from one directory to another directory?	rm	mv	rename	mkdir
113	Identify the command that can copy the content of f1 to f2.	cat f1>f2	copy f1 f2	cp f1 f2	Both (a) and (c)
114	Which command is used to sort the lines of data in a file in reverse order.	sort	sh	st	sort -r
115	In Unix, how do you check that two given strings a and b are equal?	test \$a -eq \$b	test \$a -equal \$b	test \$a = \$b	both a and c
116	In which mode of vi editor "wq" command is written to save a file?	command	ex-mode	insert	None of the above
117	_____ key is used to switch from insert mode to command mode.	Esc	ctrl	alt	space
118	Which of the following is used to implement command substitution?	a pair of `	a pair of '	a pair of "	a pair of \$
119	What are the functions performed by expr command?	arithmetic operations on integers	string manipulations on strings	both a and b	None of the above
120	Which of the following command is used to create a link between two files?	ls	link	ln	nl
121	Which statement is not correct about "init" process in Unix?	It is generally the parent of the login shell.	It has PID 1.	It is the first process in the system.	Init forks and execs a 'getty' process at every port connected to a terminal.

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122	Unix command to change the case of first three lines of file "shortlist" from lower to upper	\$ tr '[a – z]' '[A – Z]' shortlist head-3	\$ head-3 shortlist tr '[a – z]' '[A – Z]'	\$ tr head -3 shortlist '[A – Z]' '[a – z]'	\$ tr shortlist head -3 '[a – z]' '[A – Z]'
123	In UNIX, _____ creates three subdirectories : 'PIS' and two subdirectories 'progs' and 'data' from just created subdirectory 'PIS'.	mkdir PIS/progs PIS/data PIS	mkdir PIS progs data	mkdir PIS PIS/progs PIS/data	mkdir PIS/progs data
124	In Unix, the command to enable execution permission for file "mylife" by all is _____.	chmod ugo + x myfile	chmod a + x myfile	chmod + x myfile	All of the above
125	Which of the following is used to send the output of one command as an input of another command?	pipe	ls	cat	asterisk
126	Which of the following keys is used to replace a single character	S	s	r	C
127	Which command is used to count lines of the file "infile" ?	wc -o infile	wc -l infile	wc -c infile	wc -w infile
128	Which of the following is not a communication command.	write	mesg	mail	grep
129	Which symbol is used to separate more than one command in the same command line?	\$	#	:	;
130	Which command is used to display the characteristics of a process?	pid	du	ps	au
131	_____ command is used to ensure that the background process do not die when you logout.	dontdie	kill	nohup	bg
132	_____ is the section processed after the file processing is over in awk.	Begin	End	stop	execute
133	awk supports _____ array in which information is held as key-value pair.	creative	associative	formative	None of the above
134	What does the "0" signify as an output of exit status?	Successful completion of last executed command	unsuccessful completion of last executed command	command executed with error	None of the above
135	Shell scripts are executed in a separate child shell process.	TRUE	FALSE	Can not be determined	None of the above
136	Which command is used for making the scripts interactive?	ip	input	read	write

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137	A single read statement can be used with one or more variables.	TRUE	FALSE	Can not be determined	None of the above
138	What are positional parameters?	special variables for assigning arguments from the command line	pattern matching parameters	special variables for taking input using read	special variables and patterns
139	Which of the following operators are used for Conditional execution?		&&	%%	&& and
140	Which one of the following option is used for AND operation?	-o	-a	-e	-an
141	Which command is used for changing filename extensions?	chown	rename	basename	rm
142	Which command is used by the shell for manipulating positional parameters?	set	cut	case	paste
143	What is the prompt for system administrator?	\$	%	#	&
144	test command can be used to check which of the following?	Compare two numbers	Compare two strings	Check attributes of a file	All of the mentioned
145	test and [] can be used for string comparison.	TRUE	FALSE	Can not be determined	None of the above
146	_____ is the system variable contains sequence of characters that are used as word seperator.	IFS	HOME	PATH	PS1
147	Which of the following is not a filter?	date	head	tail	cut
148	Which of the following option is used to overcome the problem of duplicate lines?	-a	-n	-i	-c
149	Which of the following command will print details of top 3 students, where the file is sorted as per marks?	head -3 stud.dat	tail -3 stud.dat	head +3 stud.dat	tail +3 stud.dat
150	Which of the following is contained in boot block?	inode	Master boot Record	Shell program	None of the above