		Basavarajeswari G	- ·				
	BALLARI INSTITUTE OF TECHNOLOGY & MANAGEMENT (Autonomous Institute under Visvesvaraya Technological University, Belagavi)						
USN			Course Code	2 1 A C S 3 8			
	Third Seme	ester B E Degree F	Examinations, April/M	av 2023			
		e	ROGRAMMING	ay 2023			
Durati	on: 2 hr			Max. Marks: 100			
Note:		pulsorv 2. Each auestion	carries 1 mark 3. Use only bl				
	4. Darkening two circles	for the same question ma					
<u>Q. No</u>			<u>Question</u>				
1.	In which language UN			D) DUTUON			
•	A) C	B) C++	C) JAVA	D) PYTHON			
2.		g is not a feature of Un		D D = 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1			
	A) Multiuser	B) Multitasking	C) Easy to use	D)Portability			
3.		g is not a part of all the					
	A) System Calls	B) Graphical user	C) Kernel and Shell	D) Commands and			
		interface		utilities			
4.	-		racts with the hardware?				
	A) Kernel	B) Shell	C) Vi editor	D) Application program			
5.		· ·	entation of commands in U				
	A) man	B) whatis	C) help	D) search			
6.		ed for listing files in a d	•	D)			
_	A) list	B) ls	C) ps	D) wc			
7.		-	vords, lines, and characters i				
0	A) count	B) we	C) ls	D) man			
8.		g cannot be performed b	•	\mathbf{D}) 1' 1 ' C'1			
9.	A) appending file	B) deleting files	C) creating files e their login password in UN	D) displaying files			
9.	A) man	B) reset	C) passwd	D) password			
10.	/	ith the kernel through a	, 1	D) password			
10.	A) Kernel	B) Shell	C) Operating System	D) Unix			
11.	Which of the following	<i>,</i>	c) operating system	D) Olix			
	A) C shell	B) Korn shell	C) Bourne shell	D) Perl shell			
12.	Which command is use		c) Bourne shen	D) I ell'shell			
	A) check-calendar	B) cal	C) CAL	D) calendar			
13.	The Unix shell is both	and	language.				
	A) scripting,	and B) high level, low le	evel C)interactive,	D) interpreter,			
	interpreter		responsive	executing			
14.		y the Unix system to ed					
15	A) word Which Univ command	B)notepad	C) notepad++	D) vi			
15.		is used for changing th	-	D) mm			
	A) cp	B) cd	C) pwd	D) rm			

16		1 ' 1, 1' 1	1 1 1 4	0	
16.	A) dir	commands is used to displ B) pwd	C) path	y? D) prompt \$p\$g	
17.	The cat command is used to				
	A) Capture a file	B) Display a file	C) Print a file	D) Copy a file	
18.	Which command is use	d to count just the number			
	A) \$ wc	B) \$ wc-1	C) \$ wc -wc	D) \$ wc -c	
19.	e	commands can be used to	• •		
• •	A) who am i	B) who	C) pwd	D) which	
20.	-	commands is used to list a			
A 1	A) \$ ls-l	B) \$ lp-a	C) \$ dir	D) \$ tr	
21	How long can a UNIX f				
22.	A) 255 Characters	B) 8 Characters	C) 8 DIGITS	D)None of the above	
22.	A) Difficult to remove	ving a filename beginning B) No difficulties	C) Filename should	D) Difficult to edit	
	such file	D) No unificances	not start with hyphen	D) Difficult to cult	
23.		ote coexist in the same dir	• 1		
20.	A) Yes	B) No	cetory:		
24.	/	change from:/var/spool/l	p/admins to/var/spool/m	nail	
	A) \$cd//mail	B) \$cd /mail	C) \$cd mail	D) All of the above	
25.	Can you execute any con	mmand in /sbin and /usr/s	sbin by using the absolute	e pathname?	
	A) No	B) Yes – some command	ds		
26.	/	ark directories and executa			
	A) \$ls -Fa	B) \$ls -F	C) \$ls –l - F	D) \$ls -x	
27.	What will cat foo foo fo	o display?			
	A) Display the	B)Display the Contents	C) It will not display	D) It stores the output	
	contents of file foo 3	of file foo	any output	in file foo	
	times				
28.	A file contains nonprint	able characters. How do ye	ou view them?		
	A) \$ ls –a filename	B) \$ ls –la filename	C) \$cat –v filename	D) \$cat –n filename	
29.	How will you copy a dir	rectory structure bar1 to b	ar2?		
	A) \$ cp bar1 bar2	B) \$ cp -r bar1 bar2	C) \$ cp -l bar1 bar2	D) \$ cp -R bar1 bar2	
30.	A file contains nonprintable characters. How do you view them?				
	A) \$ ls –a filename	B) \$ ls –la filename	C) \$ ls –la filename	D) \$ cat –n filename	
31.	What are the two types of Regular files?				
	A) Text files and	B) Ordinary file and	C) Character and text	D) None of the above	
	Binary files	filename	file		
32.	What are the two types of	of Device files?			
	A) Text files and	B) Block Device and		D) None of the above	
33.	device file The directory file contai	Character Device ns and	file		
	·				
	A) Filename and inode	B) Filename and no. of files	C) Filename and Count of files	D) Filename and no. of blocks occupied	
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34.	Which variable displays the Home directory of a user?				
	A) \$ echo HOME	B) \$ echo \$HOME	C) \$ echo \$home	D) All of the above	
35.	The command pwd stan				
	A) Present working	<i>,</i>	C) Both A and B	D) None of the above	
26	Directory	Directory			
36.	A) 31/12/2022	date command looks like B) Dec. 31, 2022		D) None of the Above	
	A) 51/12/2022	B) Dec. 51, 2022	C) Wed Dec 31 10:44:22 IST 2022	D) None of the Above	
37.	In a relative pathname.	represents and			
	A) Current and Parent	B) Parent and Current	C) Nothing	D) Root and Home	
38.	What happens when we	execute \$ ls –a?			
		B) Displays all the		D) Displays long	
• •	starting with a	hidden files	attributes	listing of files	
39.		you execute the command			
	A) Forcefully remove the file	B) Interactive way of removing files	C) Stores output in the file	D) All of the above	
40.		when you execute the com			
		B) Copy the contents		D) All of the above	
	by chap1	of file chap to chap1	displayed		
41.	Show the octal represent	tation for the permission s	tring rwxr-xrw-		
	A) 756	B) 777	C) 765	D) 766	
42.	What will the permission	ns string look like for the	octal value 567?		
	A) rwxrwxrwx	B) r-xrw-rwx	C) rw-rwxrwx	D) rw-rwxr	
43.	If a file's permissions are 000, can the superuser still read and write it?				
	A) Yes	B) No			
44.	2	rite permission of a file fr	om group and others, can	the group and other	
	users write to the file?	B) No			
45.	A) Yes Is it possible to create a	directory in the system dir	ectories /hin and /tmn?		
ч.,	A) Yes	B) No	cetones / on and / mp.		
46.	How do you display the	,			
10.	A) \$ ls -i	B) \$ls -li	C) \$ls -a	D) \$1s -F	
47.	Where are the UID and	/	c) \$15 u		
	A) /etc/passwd	B) /passwd	C) /etc/password	D) All of the above	
48.	What the command \$ch		-) · · · · · · · · · · · ·	_)	
	A) Change the group	B) Change the group	C) Changes the group	D) Changes group	
	for the project	ownership to all files	ownership to all the	ownership to all the	
		but doesn't include	files including hidden	files	
49.	When you invoke \$ Is -I	hidden files foo the access time of foo	files. changes. True or false?		
	A) True	B) False			
	,	,			
50	When you execute the c	ommand \$ Is –I, initially it	t displays Total What i	t is?	
50	When you execute the c A) Total Space in	ommand \$ Is –I, initially in B) Number	t displays Total What i C) Total No. of Bytes	t is? D) None of the Above	
50		•			

51.	The character c in the f	irst column represents wh	en we execute the comma	nd \$ ls - l		
	A) Ordinary file	B) Directory file C) C	Character Device file	D) Block Device file		
52.	What is the output of the command: \$chmod +x chap1 file1 search.c					
	A) All the three files are readable and writable	B) All the three files are readable.	C) All the three files are writable	D) All the three files are executable.		
53.						
54	A) Works on regular files	B) Works on Directory files	C) Works on executable files	D) Works on all files including hidden files		
54.	What is the syntax of ch		$\mathbf{D} $ ϕ 1 ϕ	C1 ()		
	A) \$chown options own C) \$chown output file(a)	20 13 ()	B) \$chown options own			
55	C) \$chown owner file(s		D) \$chown owner new	owner me(s)		
55.	•	ting a vi session after savin		D) All of the charge		
=(A) :x, :w, :z	B) :x, :wq, :ZZ	C) :x, :q, :Zz	D) All of the above		
56.		do you take your cursor to				
57	A) By pressing \$	B) By pressing 0	C) By pressing 1\$	D) By pressing \$\$		
57.	•	irrent line to a separate f		D) A 11 - f 411		
58.	A) :W filename How do you non-intera	B) :. w filename actively and globally repla	C) :.wq filename	D) All of the above Il lines of a file?		
	A)	B)	C) :1,\$s/Inernet/Web	D) :1,\$s/Inernet/Web/		
	:1,\$s/Internet/Web/g	:1,ns/Internet/Web/gc				
59.	e e	l half page forward in vi I	Editor?			
	A) By pressing <ctrl-f> in ex mode C) By pressing <ctrl-b> in Command mode</ctrl-b></ctrl-f>					
	B) By pressing <ctrl-d></ctrl-d>		D) By pressing <ctrl-u></ctrl-u>			
60.	· · · ·	haracters dd in command	· · · · ·			
	A) To copy line	B) To delete line C)) To delete current line	D) All of the above		
61.		ly the hidden files of your				
	A) rm .[!.]*	B) rm *	C) rm *.*	D) rm .		
62.	A) \$ls chap[a-cx-z]	apa, chapb, chapc, chapx	C) \$ chapachapbchapcc	-		
\mathcal{O}	B) ls chapachapbchapc.		D) None of these			
63.	Is the wild-card express A) Yes	B) No				
64.	,	copies all files named cha	un01 chan02 chan03 ar	d so forth through		
•	chap26 to the parent dir		ipor, enapoz, enapoz, an	a so total anough		
	A) \$ cp chap0[1-9] chap1[0-9] chap2[0-6]	B) cp CHAP*.*	C) \$ cp chap*.*	D) \$ cp chap0[1-26]		
65.	Frame wild-card pattern	s to select all the files who	ere the last character is no	t numeric		
	A) \$ ls *[!0-9]	B) \$ ls *[!0-9]????*	C) ls *. *	D) \$ ls *[0-9]		
66.	Name the three sources	and destinations of standa	rd input and standard out	out.		
	A) The terminal, file, and pipe	B) The terminal	C) file, and pipe	D) None of the above		
67.	*	mand cat foo1 foo2 >/dev/	/tty directed to the standar	rd output?		
	A) Yes	B) No				
68.	How do you save your o A) \$ ls \$HOME > foo	entire home directory struc B) \$echo \$HOME	ture, including the hidder C) \$ ls –Lr \$home	D) \$ ls -lRa \$HOME >		
				foo		

69.	Explain what these wild-card patterns \$ ls *.[!s][!h] match ?				
70	A) Filenames not ending with .sh B) All filenames C) No filenames D) None Where the Exit status of a command is stored?				
70	A) It is available in \$0		C) It is available in \$?	D) It is available \$#	
71.	· · · · · · · · · · · · · · · · · · ·	ests in the shell programm	,	,	
	A) File exists and regula	r file B) File exists	C) Option to the file	D) None	
72.	[-x chap.c] in a file test	represents?			
	A) An error	B) An executable file	C) An ordinary file	D) Not executable file	
73.	The statement String st	g is not a null string in a s		ted by:	
	A) –n stg	B) stg	C) –z stg	D) stg -n	
74.	÷	hal parameters as a single			
	A) \$*	B) \$0	C) \$#	D) \$\$	
75.	The positional paramete	-			
	A) \$ Variable is evaluated	B) PID of the current shell	/	D) PID of the fg job	
76.	The positional paramete		background job		
	A) Command line	B) Filenames	C) Command	D) None	
	Arguments	D) Thenames	c) commund		
77.	The Command \$ grep d	irector manager employ	ee emp.lst executes or no	t?	
	A) No	B) Yes			
78.		when used as an argument	· ·	,	
	A) It will not display anything	B) Wrong argument	C) A * is expanded to match all filenames in the current directory.	D) Wrong option	
79.	What is the significance	of the command ls *.*?	5		
	A) Displays all files	B) Displays no files	C) Displays only files	D) Displays files	
			starts with *	where dot (.) occurs	
80.	The commands ast and	wc, when used without arg	numents don't seem to do	in the filename	
00.	that indicate?	we, when used without any	guments, don't seem to de	anything. what does	
	A) They expect input	B) Commands will not	C) It reads input from	D) Output of cat	
	from standard input,	work	file	command is used as	
01	the terminal by default	f		input in we command	
81.	A process is an instance A) waiting	B) executing	C) terminated	D) halted	
82.	Programs and process and	, e	C) terminated	D) halled	
02.					
	A) Yes	B) No			
83.	Which data structure is used to store information about a process?				
	A) Process Control	B) Program Control	C) Queue	D) Array	
04	Block	Block	1		
84.	-	d by a unique integer calle			
85.	A) PID	B) PPID	C) PTID	D) TID	
03.	Every process has a pare A) Yes	B) No			
86.		r current shell, which com	mand will be used?		
	A) echo \$\$	B) echo \$	C) \$PATH	D) \$SHELL	
		_, ••••• •	- / *****	-, +~	

07	Which of the following attribute is not shown by ps command?				
87.	e	•	•	D) :	
	A) PID	B) PPID	C) tty	D) size	
88.	-	y ps command to get a det			
	A) -u	B) -f	C) -l	D) -x	
89.	Which of the following	system call is used for cre	eating a new process?		
	A) read	B) fork	C) wait	D) new	
90.	Which command is use	d to display the top of the	file?		
	A) cat	B) head	C) grep	D) more	
91.	What is the command t	o create a hard link			
	A) ls	B) ln	C) li	D) ls -h	
92.	What is the command t	o create a soft link			
	A) ls - l	C) ls	C) ln	D) ln -s	
93.	What is the command t	o reduce the priority of a p	process		
	A) nice	B) signal	C) kill	D) nohup	
94.	Which of the following	command is used to susp	end a job?	, <u> </u>	
	A) ctrl - Z	B) ctrl -Q	C) bg	D) \$	
95.	Which command will push the current foreground job to the background?				
	A) bg	B) fg	C) ctrl -Z	D) kill	
96.	The command bg %2 is valid				
	A) True	B) False			
97.	By default, how many lines are displayed using the head command?				
	A) 5	B) 10	C) 4	D) 20	
98.	The expression cut -c -3 emp.lst will cut columns number				
	A) 0	B) 1	C) 3	D) 1-3	
99.	Which option is used when we've to sort files containing only numbers?				
	A) -n	B) -a	C) -d	D) -u	
100	Which one of the following commands will be used for searching "director" in emp.lst?			" in emp.lst?	
	A) \$ grep "director"	-	B) \$ grep "director" em	*	
	C) \$ grep -director emp	.lst	D) \$ grep –v "director"	•	
				r	

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