MCA/M06 Linux &Shell Programming MCA -402

Time:	: 3 Hours MI					50
Note:-	Attempt any I	Five questions	in all, All Que	estions carry eq	ual marks.	
1	Explain the purpose & syntax of following commands in Linux with the help of examples alongwith various options:					
	(i) pwd	(ii) du	(iii)ps	(iv) wall	(v) tee	10
2(a) (b)	Write and explain of files alongwith structure of filesystem. What do you mean by file permissions? How can we change various perm of a file?					5 missions 5
3(a) (b)	Explain various control structures available in shell programming. Write a shell program using 3 arguments to take the pattern as well as inproutput file names. If the pattern is found display "Pattern found", else disp "Error message". Also check if right number of arguments is entered. Arg must be entered through command line.					splay
4(a)	Differentiate the grep; egrep, fgreep with the help of examples.					3
(b)	Write down the purpose of following regular expressions and also provide at example for each: (i) * (ii) [] (iii) ^ (iv) \$ (v) + (vi) . (vii) ?					
5(a)	(i) BI	ollowing w.r.t. EGIN and ENI etline statemen) section			5
(b)	Explain various operators used in vi-editor. Also explain use of set comma the last line mode.					nands in
6(a) (b)	Discuss debugging with gdb in brief. Differentiate between static and dynamic memory management.					5 5
7	What is a makefile? How it can used to manage C projects? Also explain the of dependency calculations in make file.					
8	How jobs can be controlled in Linux w.r.t at, batch, cron & time command Explain.					nds? 10
9(a) (b)	Explain Linux I/O system in brief. Discuss various signal handlers alongwith their purpose.					5 5

- 10 Write short notes on:
 - (a)
 - Booting process in Linux.
 Advantages & Disadvantages of Dynamic Libraries over static. (b)

10