

Code No: R32054

R10

Set No. 1

III B.Tech II Semester Supplementary Examinations, April - 2016

**UNIX PROGRAMMING
(Common to CSE and IT)**

Time: 3 hours

Max. Marks: 75

**Answer any FIVE Questions
All Questions carry equal marks**

- 1 a) Write about mv command and its options. 4M
b) If a directory has the permissions 777 and a file in it has the permissions 000, write the security implications from this. 5M
c) Write the command which sorts a list of files and removes duplicates lines and finally writes the result into an output file. 6M
- 2 a) Write about string comparison operations in shell programming. 7M
b) Write a shell script to display Good Morning, Good After Noon and Good Evening according on the present time. 8M
- 3 a) Write about lseek() system call. 3M
b) Write about dup() and dup2() system calls. 6M
c) Write a C program to scan current directory and to print its contents. 6M
- 4 a) What is a Zombie process? Explain with an example. 7M
b) Write about the following System function calls. 8M
i) execl() ii) execlp() iii) execve() iv) execvp()
- 5 a) Write about fork and vfork functions. 7M
b) Write a C program to echo all command-line arguments and all environment strings. 8M
- 6 a) Write about kill and raise functions with its correct syntaxes. 8M
b) What is reentrant function? Explain in detail. 7M
- 7 a) Write about popen() and pclose() functions. 7M
b) Write about message queues. 8M
- 8 a) Explain Byte-Ordering, address format and address lookup in Sockets. 9M
b) Explain how the addresses are associated with Sockets. 6M

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