

28/9/15 VCD

S.Y.B.S.C (I.T.) -SP - SEM - III (ATKT) - 100 -3 HRS

28/9/15

Note: 1) Q1 is compulsory.

2) Attempt any 5 questions out of remaining 7 questions.

Q1.

- Write a C program to create an independent child process in such a way that child process will display files present in PWD whereas parent process display calendar for year 2015. (12)
- Write a shell script to perform basic arithmetic operations using functions. (8)

Q2.

- Explain the architecture of UNIX. (8)
- Explain the command 'date' and 'time'. (8)

Q3.

- What is a process? Explain all process related commands in Unix. (8)
- Explain in brief 'ls' command. (8)

Q4.

- Explain the permission mechanism for file in Unix. (8)
- Write a shell script to find out addition of all the odd numbers present inside a given range as argument. (8)

Q5.

- Explain commands 'cut' and 'paste' with examples. (8)
- Explain fork() system call in detail. (8)

Q6.

- Explain various movement commands in vi with suitable example. (8)
- Explain read() and write() system call with suitable example. (8)

Q7.

- Explain the command getopts. (8)
- Explain vi commands for yank and delete. (8)

Q8.

- Explain grep command in detail. (8)
- Write a script to find out the name of logged in users according to their logged in time in descending order. (4)
  - write a script to display all the prime numbers between 5 to 25. (4)

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