Third Semester B.E. Degree Examination, Jan./Feb. 2021

17CS35

(06 Marks)

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(08 Marks)

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(04 Marks)

(10 Marks)

(06 Marks)

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2. Any revealing of identification, appeal to evaluator and /or equations written eg, 42+8=50, will be treated as malpractice. Important Note: 1. On completing your answers, compulsorily draw diagonal cross lines on the remaining blank pages.

OR

| 6 | a. | Explain the standard input, standard output and standard error with respect to UIN | IX OS. |
|----|----|--|-----------------|
| | | | (10 Marks) |
| | b. | With suitable examples, explain the grep command and its various options. | (06 Marks) |
| | c. | Explain Shell's Interpretive cycle. | (04 Marks) |
| | | | |
| | | Module-4 | |
| 7 | a. | Explain the shell features of 'while' and 'for' with syntax. | (08 Marks) |
| , | b. | Explain the special parameters used by the shell. | (06 Marks) |
| | c. | Distinguish between hard link and soft link, with suitable examples. | (06 Marks) |
| | C. | Distinguish octween hard link and soft link, with suitable examples. | (00 Marks) |
| | | OR | |
| 8 | | Write a shell program to create a menu and execute a given options based on user | choice |
| 0 | a. | Options include i) List of users ii) List of processes iii) Current date an | |
| | | An items | |
| | 1. | | (08 Marks) |
| | D. | Explain the following commands with example: | (0.6 Manda) |
| | _ | i) head ii) tail iii) cut iv) paste | (06 Marks) |
| | C. | Briefly explain the sort command with its options. | (06 Marks) |
| | | the same of the sa | |
| _ | | Module-5 | |
| 9 | a. | Explain the three distinct phases of process creation. And explain how shell is cre | ated. |
| | L | Hea find command to locate from home directory: | (US WATERS) |
| | b. | Use find command to locate from home directory: i) All files within the extension .html. | 3 |
| | | | 1110 |
| | | ii) All files having inode number 1006. | Property of Man |
| | | iii) All directories having permissions 777. | |
| | | iv) All files not accessed for more than a year. | CAN B |
| | | v) All but the C program files. | CANIN |
| | _ | (1) 11m mos mander and and an observed and a second a second and a second a second and a second a second and a second a second a second a second a second and a second and a second and a s | (06 Marks) |
| | c. | Explain the nice command with example. | (no Marks) |
| | | OR Limited to | |
| 10 | | OR | |
| 10 | a. | Explain the following string handling functions of PERL with examples: | (00 % (- 1-) |
| | 1. | i) length ii) index iii) substr iv) reverse. | (08 Marks) |
| | b. | Write a PERL program to determine whether the given year is a leap year or not. | (08 Marks) |
| | c. | With examples, briefly explain split and join functions in PERL. | (04 Marks) |
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