

BACHELOR OF SCIENCE (COMPUTER SCIENCE) (CBCS - 2016 COURSE)
T.Y.B.Sc.(Computer Science) Sem-VI :SUMMER- 2022
SUBJECT : LINUX PROGRAMMING

Day : Saturday
Date : 2/7/2022

S-14916-2022

Time : 11:00 AM-02:00 PM
Max. Marks : 60

N.B:

- 1) All questions are **COMPULSORY**.
 - 2) Figures to the right indicate **FULL** marks.
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- Q.1)** Attempt **ANY TWO** of the following: (12)
- a) Illustrate grep command with options and example.
 - b) Draw and explain architecture of Linux operating system.
 - c) Describe types of if statement used in Linux.
- Q.2)** Attempt **ANY TWO** of the following: (12)
- a) Write a shell program to display list of files, Today date, user name, calender and exit options using case statement.
 - b) Explain features of Linux operating system.
 - c) Write VI editor ex mode commands used for saving text and quit from editor.
- Q.3)** Attempt **ANY TWO** of the following: (12)
- a) Explain types of permission with example.
 - b) Write a file test operators in shell programming.
 - c) Write purpose and syntax of following commands:
i) cat ii) cp iii) rm
iv) mv v) od vi) cmp
- Q.4)** Attempt **ANY THREE** of the following: (12)
- a) Explain sort and tr command with example.
 - b) Write note on sed commands.
 - c) Explain loop statements of shell programming.
 - d) Explain directory commands in Linux operating system.
- Q.5)** Attempt **ANY FOUR** of the following: (12)
- a) Define shell script and shell types.
 - b) Write purpose of passwd and wc commands
 - c) Write a shell program to check given year is leap year or not.
 - d) Explain cursor movement commands in VI editor.
 - e) Write functions of operating system.
 - f) Define expr statement with example.

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