

T.Y.B.SC. (COMPUTER SCIENCE) SEM –VI (2014 COURSE) :
WINTER- 2017

SUBJECT : LINUX PROGRAMMING

Day : Monday
Date : 23/10/2017

Time : 12.00 NOON TO 02.00 PM
Max. Marks : 40

W-2017-0761

N. B. ;

- 1) All questions are **COMPULSORY**.
 - 2) Figures to the right indicate **FULL** marks.
 - 3) Draw neat and labelled diagram **WHEREVER** necessary.
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Q. 1 Answer **ANY TWO** of the following: **(10)**

- a) Illustrate the features of Linux operating system.
- b) Explain following commands with example:
i) mkdir ii) rmdir iii) mv iv) cat v) paste
- c) Describe while loop used in shell programming with example.

Q. 2 Answer **ANY TWO** of the following: **(10)**

- a) Explain grep filtering expressions with example.
- b) Write a shell program to find Fibonacci series for first 10 numbers.
- c) Describe any five functions used in awk.

Q. 3 Answer **ANY TWO** of the following: **(10)**

- a) Elaborate if statement in shell programming with suitable example.
- b) Explain head and tail command with proper example.
- c) Explain the types of an operating system.

Q. 4 Answer **ANY FIVE** of the following: **(10)**

- a) . What is use of fgrep?
- b) Define shell script.
- c) Write a use of pwd command.
- d) List out any four file related tests.
- e) Write the purpose of wc command.
- f) State the syntax of case statement in shell programming.
- g) Write a purpose of sort command.

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