



GA-074002

Seat No. _____

B. C. A. (Sem. IV) Examination

March / April – 2019

BCAOC - 402 : Open Source Operating System

Time : 3 Hours]

[Total Marks : 70

Instructions

- (1) Figures on the right indicate the marks.
- (2) All Questions are compulsory.
- (3) Answer of each question must start on a new page.
- (4) Answer of all sub-questions of a question should be written in continuous order.

1 Do as Directed(Any 14):

14

- (1) Which directory is at the top of file system?
- (2) The _____ option in case statement represent the default condition.
- (3) What is difference between inode and indoe table?
- (4) In which directory all the configuration files are stored?
- (5) Which file is edited for the configuration of a web server in Linux?
- (6) Which command is used to open a file in a shell script?
- (7) The option used with the “echo” command to avoid outputting a new line character is _____.
- (8) Explain “\$?”.
- (9) What is zombie process?
- (10) Briefly explain head and tail command with suitable example.
- (11) What is the use of script command in Linux?
- (12) What is the use of ps command? Explain with syntax.
- (13) Which command is used to add existing user to existing group?
- (14) Write command to start service permanently.
- (15) What is root user?
- (16) Write a command to change current directories.

2 Explain Any Two.

14

- (a) What is Linux? Difference between open source and commercial software.
- (b) List and explain benefits of Linux.
- (c) Explain the cat and less command with different option and example.

3 Explain Any Two.

14

- (a) Differentiate between Windows Security vs. Linux Security?

- (b) Explain standard input output in brief. What is the use of tee command in Linux? Explain it with different options and example.
- (c) What is link? List and explain types of link in detail with suitable example.

4 Explain Any Two.

14

- (a) Define different commands of saving and exit of ex-mode.
- (b) List different type of Shell. Explain them in detail and also explain compatibility between them.
- (c) Explain command with option with example:
 - (a) listing file (b) copying file (c) moving file (d) deleting file €

5 Answer Any Two.

14

- (a) Explain grep commands with suitable examples.
- (b) What does mean by process? Explain mechanism of Process Creation.
- (c) How scheduling of process is done? Explain it with suitable example.
