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**B.C.A. (Faculty of Commerce) (Part-III) (Semester -VI) (New/
Revised)**

Examination, April - 2016

LINUX OPERATING SYSTEM

Sub. Code: 66424

Day and Date : Wednesday, 13 - 04 - 2016

Total Marks : 80

Time : 3.00 p.m. to 6.00 p.m.

- Instructions :**
- 1) Solve any four questions from Q.1 To Q.7.
 - 2) Q.8 is Compulsory.
 - 3) Each question carry 16 marks.

Q1) a) What is Shell? Explain kernel-shell relationship with diagram. [8]

b) What is Vi Editor? Explain the use and features of Vi. [8]

Q2) a) What is operating system? Explain different types of operating system. [8]

b) Explain Meta characters with example. [8]

Q3) What is Linux file system? Explain File system tree. [16]

Q4) Explain the following commands with suitable example. [16]

- i) wc ii) cat iii) ls iv) grep

Q5) a) Write a shell program to calculate factorial of a number. [8]

b) Explain command mode. [8]

Q6) a) Explain case statement with example.

[8]

b) Explain exit status of command with example.

[8]

Q7) a) Explain Command Line argument with example.

[8]

b) Explain command linking using pipe operator.

[8]

Q8) Write short notes on following (any four)

[16]

a) Sort command

b) Shell script

c) File attributes

d) find command

e) cp command

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B.C.A. (Part - III) (Semester - VI) (New)
Examination, November - 2016
LINUX OPERATING SYSTEM (Paper - 603)
Sub. Code : 66424

Day and Date : Tuesday, 8 - 11 - 2016

Total Marks : 80

Time : 10.30 a.m. to 1.30 p.m.

- Instructions :**
- 1) Q.No. 8 is compulsory.
 - 2) Solve any Four questions from Q. No. 1 to Q. No.7.
 - 3) All questions carry equal marks.

- Q1) a)** Explain login and logout procedure in Linux OS. [8]
b) Explain any four general purpose utilities. [8]
- Q2) a)** How to use VI editor? [8]
b) Write a shell script to check given number is prime or not prime. [8]
- Q3) a)** Explain ls command with various options. [8]
b) Write syntax and explain how to use case statement in shell script. [8]
- Q4)** What is an operating system? Explain various types of operating system. [16]
- Q5) a)** Explain grep command with various options and example. [8]
b) How to delete - character, line and word in command mode? [8]
- Q6) a)** Explain various file attributes. [8]
b) Write syntax and explain until loop used in shell script with example. [8]

P.T.O.

- Q7) a) How to use the filters in Linux OS? [8]
- b) How command is linked and substituted? [8]

Q8) Attempt any Four from the following: [16]

- a) Kernel-shell relationship.
- b) If statement.
- c) Features of Linux OS.
- d) Sort and uniq commands.
- e) mkdir and rmdir commands.

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**B.C.A. (Faculty of Commerce) (Part - III) (Semester - VI) (New)
(Revised) Examination, April - 2017**

LINUX OPERATING SYSTEM (Paper - 603)

Sub. Code :66424

Day and Date : Wednesday, 12-04-2017

Total Marks : 80

Time : 3.00 p.m. to 6.00 p.m.

- Instructions :**
- 1) Q.No. 8 is compulsory.
 - 2) Solve any Four questions from Q.No.1 to Q.No.7.
 - 3) All questions carry equal marks.

- Q1) a) Explain various features of Linux operating system. [8]**
b) Explain pipe (|) operator with example. [8]
- Q2) a) How to list the files using meta characters? [8]**
b) Write syntax and explain for loop used in shell script with example. [8]
- Q3) a) How to join lines and search for patterns in command mode of VI editor? [8]**
b) Write syntax and explain how to use if statement in shell script. [8]
- Q4) Describe directory structure of Linux operating system. Explain various directory handling commands. [16]**
- Q5) a) What is a file? Explain its types. [8]**
b) What is shell script? How to run it? [8]
- Q6) a) Explain basic attributes of file. [8]**
b) Explain input mode of VI editor. [8]

P.T.O.

- Q7) a) How to use cut, paste, head and tail as filters? [8]
b) Write shell script to perform addition of two numbers which are accepted by command line. [8]

Q8) Attempt any Four from the following [16]

- a) Shell and kernel.
- b) General purpose utilities.
- c) ex mode.
- d) Login and logout.
- e) grep command.



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B.C.A. (Part - III) (Semester - VI) Examination, October - 2017
Linux Operating System (Paper - 603) (New)
Sub. Code : 66424

Day and Date : Thursday, 12 - 10 - 2017**Total Marks : 80****Time : 02.30 p.m. to 05.30 p.m.**

- Instructions :**
- 1) Q.No. 8 is compulsory.
 - 2) Solve any Four questions from Q.No. - 1 to Q.No. -7.
 - 3) All questions carry equal marks.

Q1) a) Explain basic file attributes. [8]

b) Explain use of read, echo and test statement with simple example. [8]

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Q2) a) Explain any four filters with example. [8]

b) Write a shell script to find Fibonacci series upto given number. [8]

Q3) a) How to use cat, cp, mv and rm file handling commands? [8]

b) Describe various modes of VI editor. [8]

Q4) What is an operating System? Explain various functions of operating system. [16]

Q5) a) What is a file? Explain its types. [8]

b) How to move cursor and screen in command mode of VI editor? [8]

Q6) a) How to use pipe (|) operator? Give its example. [8]

b) Explain chmod command with example. [8]

P.T.O.

- Q7) a) Write a shell script to find greater number between given three numbers. [8]
- b) Write syntax and explain while loop used in shell script with example. [8]

Q8) Attempt any Four from the following [16]

- a) Shell
- b) searching for pattern in command mode.
- c) Features of VI
- d) GPU
- e) case statement



- Q1) a) Explain basic file attributes. [8]
- b) Explain use of read, echo and test statement with simple example. [8]
- Q2) a) Explain any four filters with example. [8]
- b) Write a shell script to find Fibonacci series upto given number. [8]
- Q3) a) How to use cat, cp, mv and rm file handling commands? [8]
- b) Describe various modes of VI editor. [8]
- Q4) What is an operating system? Explain various functions of operating system. [16]
- Q5) a) What is a file? Explain its types. [8]
- b) How to move cursor and screen in command mode of VI editor? [8]
- Q6) a) How to use pipe (|) operator? Give its example. [8]
- b) Explain chmod command with example. [8]

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**B.C.A. (Part - III) (Semester - VI) Examination,
April - 2018**

LINUX OPERATING SYSTEM (New) (Revised)

Sub. Code : 66424

Day and Date : Wednesday, 18 - 04 - 2018

Total Marks : 80

Time : 03.00 p.m. to 06.00 p.m.

- Instructions :**
- 1) Each question carry 16 Marks.
 - 2) Solve any FOUR questions from Q.1 to Q.7
 - 3) Q.8 is Compulsory.

- Q1) a) What is Shell? Explain kernel-shell relationship with diagram. [8]**
b) Explain Command substitution with example. [8]

- Q2) a) What is operating system? Write the different features of Linux. [8]**
b) Explain ls command. [8]

- Q3) What is Linux file system? Explain File system tree. [16]**

- Q4) Explain the following commands with suitable example. [16]**
- a) cal
 - b) cp
 - c) unique
 - d) sort

- Q5) a) Write a shell program to input 10 numbers and print their sum. [8]**
b) Explain ex mode. [8]

- Q6) a) What is looping? Explain While loop structure with their syntax. [8]**
b) How to change file permissions in linux? Give some example. [8]

P.T.O.

Q7) a) What is Vi Editor? Explain the use and features of vi. [8]

b) Explain Command Line argument with example. [8]

Q8) Write short notes on following (any four) : [16]

a) grep command

b) exit status

c) wc command

d) shell script

e) test

