

Code No. : C-297

Annual Examination - 2018

BCA Part - II

BCA-205

SHELL PROGRAMMING IN UNIX/LINUX

Max.Marks : 50

Time : 3 Hrs.

Min Marks : 20

Note: Section 'A' , containing 10 very short answer type questions, is compulsory. Section 'B' consists of short answer type questions and Section 'C' consists of long answer type questions. Section 'A' has to be solved first.

Section-'A'

Very short answer type questions. Answer in one or two sentences (1x10=10)

- Q.1 What command is used to save the standard output in a file as well as display it on the terminal?
- Q.2 Write the command used to count just the number of lines contained in a file.
- Q.3 What command is used to remove file?
- Q.4 Mention the command used to remove the directory.
- Q.5 What command is used with Vi editor to delete a single character?
- Q.6 Write the command which is used to create a Linux installation boot floppy.
- Q.7 How you can add Amit, a new user, to your system?
- Q.8 How many primary partitions can exist in one drive?
- Q.9 In which directory can you store system user default files used for creating user directories.
- Q.10 What does FSF stand for?

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Section-'B'

Answer the Following Short answer type questions with word limit 150-200. (3x5=15)

Q.1 What are filters? Explain.

OR

Is there a way to erase all files in the current directory including all its sub-directory, using one command? Explain.

Q.2 What are the key features of the korn shell?

OR

Explain some common shells. What are their indicators?

Q.3 Differentiate between multiuser and multitasking.

OR

What do you mean by command substitutions? Explain.

Q.4 Briefly describe Shell's responsibility.

OR

What is piping? Explain.

Q.5 What is the use of tee command?

OR

Write a shell script that requests the user's age and then echoes it, along with suitable comment.

Section-'C'

Long answer type questions with word limit 300-350. (5x5=25)

Q.1 Explain the emergence and history of Linux.

OR

Explain with neat diagram about architecture of Linux.

Q.2 Explain the different file operators of Linux.

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OR

Mention the features of Linux file system.

Q.3 Explain the features of Vi editor.

OR

Explain the reason of using more shell.

Q.4 Explain the working of GNOME.

OR

Mention the role of Window Manager.

Q.5 Write down the responsibility of system administrator.

OR

Write down the requirement of Hardware for Red Hat Linux.

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