Code No. : C-297

Annual Examination - 2019

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'

Answer the following very short-answer-type questions in one or two sentences :   **(1 × 10=10)**

Q.1   What command is used to display current working directory in Linux?

Q.2   What is the full form of GREP? Where it is used?

Q.3   What is Vi-editor?

Q.4   What is yanking with respect to Vi-editor?

Q.5   What are the different types of shells available?

Q.6   Shell programs are stored in which file?

Q.7   Write the command which provides GUI support in Linux.

Q.8   Write any two uses of KDE.

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Q.9   What command is used to create a new user on the system?

Q.10   What command is used to shut down the system?

Section - 'B'

Answer the following short-answer-type questions with word limit 150-200 :   **(3   5=15)**

Q.1   What is the need for file permissions? What are the different ways of setting file permission?

OR

How does grep command help in searching for a pattern? Explain each option with an example.

Q.2   Explain the commands in Vi-editor.

(a)   Search for pattern (b)   Save a file (C) Delete a word

OR

What are the key features of E-mac editor?

Q.3   What is shell programming? Explain with example how expressions are evaluated.

OR

Explain the while loop and for loop of shell programming.

Q.4   What is X-Windows?

OR

Write advantages and disadvantages of using GNOME.

Q.5   How different file permissions are set by Linux administrator?

OR

Write different features of Red Hat Linux.

Section - 'C'

Answer the following long-answer-type questions with word limit 300-350 :   **(5   5=25)**

Q.1   Explain different Linux distribution.

OR

Explain the following commands with example.

(a)   head   (b) pwd   (c)   grep   (d) sort   (e) cat

Q.2   What are the different modes of vi-editor? Explain with a diagram.

OR

What do you mean by E-mac editor? How cut, copy and paste is done using emac editor.

Q.3   How shell scripts are executed? Write a shell script to perform arithmetic operation.

OR

Explain shell environment variables with suitable example.

Q.4   Differentiate between Microsoft Windows and X-Windows.

OR

What is the uses of GNOME file manager?

Q.5   Explain the steps to create a new user and set a password for the user from a shell prompt in Linux.

OR

How the installation of Red Hat Linux is done?

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