Roll No......................

Code No. : B-417(A)

Annual Examination - 2017

BCA-II

BCA-205

SHELL PROGRAMMING IN UNIX/LINUX

Max.Marks : 50

Time : 3 Hrs.   **Min Marks : 20**

Note : Section 'A' is objective type, containing 10 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 lines.   **(1x10=10)**

Q.1   What command is used to remove files in Linux?

Q.2   What is kernel?

Q.3   What is the full form of PRC in Linux?

Q.4   What is the use of sort command in Linux?

Q.5   Give name of the topmost directory in Linux operating system?

Q.6   Does Linux OS use drive letters as Windows OS?

Q.7   What is the most popular text editor in Linux?

Q.8   Give command to delete one character in vi editor?

Q.9   Name any two type of shell available in Linux?

Q.10   What is the full form of GNOME?

P.T.O.

Section-'B'

Short answer type questions with word limit 150-200

$$(3 \times 5 = 15)$$

Q.1 Write features of Linux OS ?

OR

What are different file types used in Linux ?

Q.2 What is .exrc file in Linux ?

OR

Write features of Ernacs ?

Q.3 What do you understand by Shell environment?

OR

Write short note on following:

 i) K Shell   ii) Bash

Q.4 Write short note on FVWM?

OR

How to start and stop X-windows session?

Q.5 What are the responsibility of a System Administrator?

OR

Explain usage of inittab file?

Section-'C'

Long answer type questions with word limit 300-350

$$(5 \times 5 = 25)$$

Q.1 What are the features of kernel?

OR

Explain following Linux commands with suitable examples?

i) Is   ii) cd   iii) gunzip

iv) head   v) who

Q.2 Explain commands of Emacs with example?

OR

Explain features of Emacs editor?

Q.3 Write the shell script for following:

i) To add content of one file to another.

ii) To print Fibonacci series up to 20 elements.

OR

Write the shell script for following:

i) To find factorial of user given number.

ii) To find sum of first n natural numbers.

Q.4 Explain GNOME desktop environment?

OR

Explain KDE desktop environment?

Q.5 Explain Linux File System in detail? What is Virtual file System?

OR

Explain backup and restore process in detail?

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