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Total No. of Pages : 02

Total No. of Questions : 18

MCA (2015 to 2020) (Sem.-2)
LINUX OPERATING SYSTEM
Subject Code : MCA-205
M.code : 72880

Time : 3 Hrs.

Max. Marks : 60

INSTRUCTIONS TO CANDIDATES :

1. SECTIONS-A, B, C & D contains TWO questions each carrying TEN marks each and students has to attempt any ONE question from each SECTION.
2. SECTION-E is COMPULSORY consisting of TEN questions carrying TWENTY marks in all.

SECTION-A

- Q1) Discuss how to interface a printer through operating systems and the basics of Ip and its clients.
- Q2) Differentiate between editor and Word processor. Discuss the ways of invoking the vi editor. Explain the various modes in it and explain how one can move from one mode to another.

SECTION-B

- Q3) Discuss the concept of troubleshooting Linux in GRUB mode.
- Q4) How we can install multiple operating systems along with Linux? Explain the procedure to install new kernel to boot.

SECTION-C

- Q5) Explain the features of GNOME configuration tool.
- Q6) Write the steps to install a binary package in TAR format.

SECTION-D

- Q7) Explain the Linux system calls and architecture of Linux.
- Q8) Discuss the file structure used in Linux. How diverse directory files are linked with Root Directory? Explain the importance of each.

SECTION-E

Write briefly :

- Q9) How are passwords managed in Linux?
- Q10) List the various types of users in Linux.
- Q11) What is the difference between single and multiuser operating systems?
- Q12) What are the various dual boot issues?
- Q13) Write a short note on shell and shell scripts.
- Q14) What is the difference between internal command and external command?
- Q15) What is the difference between setUID and setGID?
- Q16) What are the capabilities of super computer?
- Q17) What is the difference between user and group?
- Q18) What do you mean by change ownership?

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