

Roll No.

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Total No. of Pages : 02

Total No. of Questions : 09

MCA (2015 Batch) (Sem.-2)

LINUX OPERATING SYSTEM

Subject Code : MCA-205

Paper ID : [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 in detail the Architecture of LINUX OS and its shell interface.
- Q2) How is file system and Directory structure in LINUX organized? Discuss by taking suitable example.

SECTION B

- Q3) Discuss various user management tools. How can the users and groups be manipulated?
- Q4) How are packages installed, Uninstalled and configured? Give suitable example.

SECTION C

- Q5) Name the various command line shells in LINUX? List and define various file handling commands in LINUX OS by taking suitable examples.
- Q6) What are the various editors available in LINUX? Write their main characteristics.

SECTION D

- Q7) Discuss the various steps of booting and shutting down processes in LINUX. How to add a new Kernel to boot?
- Q8) Discuss how to interface a printer through operating system and the basics of lpd and its clients.

SECTION E

Q9) **Write short notes on :**

- a) The characteristics of LINUX operating System.
- b) Shell and shell scripts.
- c) Installing LPRng
- d) Running LILO
- e) Vi and its modes
- f) Driver support for various devices in LINUX
- g) Users vs Multiusers
- h) Dual booting issues
- i) GNOME
- j) Creating a Boot Disk