

Roll No.

Total No. of Pages : 02

Total No. of Questions : 09

MCA (2019 & Onwards) (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**

1. a) Explain the architecture of Linux Operating System in detail.  
b) Discuss the disk management in linux.
2. How do you install Linux operating system with Windows operating system? Explain.

**SECTION-B**

3. What is the role of fedora package Manager? Explain.
4. Discuss the user management in linux in detail.

**SECTION-C**

5. Write the purpose and syntax of 'cat', 'mv', 'chown', 'chmod', and 'cd' commands with suitable examples.
6. Discuss file management and manipulation in linux in detail.

## SECTION-D

7. What is GRUB? Explain the configuration of GRUB in detail.
8. a) Discuss 'quota management' in Linux.  
b) Write a note on Linux Printing.

## SECTION-E

### 9. Write briefly :

- a) What is system call?
- b) What is a domain?
- c) What is boot disk?
- d) What is a device driver?
- e) What is a shadow file?
- f) What is a Shell?
- g) What is 'su' command?
- h) What is C/LO?
- i) What is 'init' service?
- j) What is the 'cron' program?

**NOTE : Disclosure of Identity by writing Mobile No. or Making of passing request on any page of Answer Sheet will lead to UMC against the Student.**