Roll No. ☐☐☐☐☐☐☐☐☐☐☐☐☐   **Total No. of Pages : 02**

Total No. of Questions : 09

BMCI (2014 & Onwards)   (Sem.–4)
LINUX OPERATING SYSTEM
Subject Code : BMCI-403
M.Code : 72807

Time : 3 Hrs.   Max. Marks : 60

INSTRUCTIONS TO CANDIDATES :
1. **SECTION-A is COMPULSORY consisting of TEN questions carrying TWO marks each.**
2. **SECTION-B contains FIVE questions carrying FIVE marks each and students have to attempt any FOUR questions.**
3. **SECTION-C contains THREE questions carrying TEN marks each and students have to attempt any TWO questions.**

SECTION-A

1. **Answer briefly :**

   a) Define Linux shell.

   b) What is system call?

   c) What are super-users?

   d) Name any two Linux distributions.

   e) What is meant by GNOME?

   f) Differentiate DPKG and RPM.

   g) List any two BASH commands.

   h) What is LILO?

   i) Describe the usage of Quota management.

   j) Define lpd.

SECTION-B

2. What is meant by File and Directory structure in Linux?

3. Discuss different steps for installation of Fedora Linux.

4. Explain the procedure for installing Linux packages.

5. What are the contents of **/etc/shadow** file? Explain.

6. Discuss different ownerships and permissions related commands available in Linux.

SECTION-C

7. Explain the following :

a) GRUB

b) Init services

8. a) What are different commands for printing? Explain LPRng.

b) Explain various options available while adding and partitioning a Disk.

9. Discuss the following :

a) SetUID and SetGID Programs

b) Pipes and Redirection

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.