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

Total No. of Questions : 09

BMCI (2014 & Onwards)   (Sem.–4)
LINUX OPERATING SYSTEM
Subject Code : BMCI-403
Paper ID : [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) Write the salient features of Linux operating system. b) What is a Kernel? How is it different from an operating system? c) What is X in X-Windows? d) Define shell and shell variable. e) What are shell metacharacters? f) What is the use of grep command? g) Explain the steps of booting in Linux. h) What is the use of man command? i) What is /etc/shadow file? j) What is Quota management in Linux?

SECTION-B

2. What are the different types of users in Linux? Discuss the process of creating, modifying and deleting a user account.

3. Explain the features of GNOME configuration Tool.

4. Explain how the packages are installed and removed in Linux.

5. Explain the redirection, filter and pipes in Linux with suitable examples.

6. What is lpd command? What are various options used with lpd? Discuss the operation of lpd command.

SECTION-C

7. Explain in detail the file system and directory structure in Linux.

8. What is BASH? Discuss the commands for various file management operations.

9. What is GRUB boot loader? What are the stages involved in loading GRUB? Explain.