



UTTARAKHAND OPEN UNIVERSITY, HALDWANI (NAINITAL)
उत्तराखण्ड मुक्त विश्वविद्यालय, हल्द्वानी (नैनीताल)

MCA-16/MCA-17 3RD YEAR 5TH SEMESTER ASSIGNMENT

Session - 2017-18, Summer Last Date of Submission: 31st October 2017

Session - 2017-18, Winter Last Date of Submission: 30th April 2018

Course Title: Linux System Administration

Course Code: MCA-20A

Maximum Marks: 30/20

Section 'A' contains 08 short answer type questions of 4/2.5 marks each. Learners are required to answers 4 questions only. Answers of short answer-type questions must be restricted to 250 words approximately.

1. What is proxy server?
2. What is the difference between Linux and UNIX.
3. What is the function of the **ping** and **chfn** commands
4. How can you mount and unmount a device?
5. What is DHCP? Explain.
6. Illustrate the use of the **head** and the **tail** commands.
7. List some of the common system administrative tasks.
8. Which file contains the IP Address configurations in Linux?

Section 'B' contains 04 long answer-type questions of 7/5 marks each. Learners are required to answers 02 questions only.

1. What are the main components of a Linux Kernel? Describe in brief the different types of shell.
2. How secured is Linux? Explain.
3. Explain briefly the various inter process communication mechanism in LINUX.
4. Explain the architecture of the Linux operating system with diagram.