



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

MCA 2ND YEAR 3RD SEMESTER ASSIGNMENT

Last Date of Submission: 15/01/2016

Course Title: Data Communication and Computer Networks

Course Code: MCA-19

Year: 2015-16

Maximum Marks: 40

Section 'A' contains 08 short answer type questions of 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. Explain the concept of Connectionless and Connection Oriented Services.
2. What are the responsibilities of Transport layer in the OSI model?
3. What is firewall?
4. Explain diskless terminal.
5. Explain about Internet information services
6. Write about Multiplexing?
7. What is DNS?
8. What is error detection and correction?

Section 'B' contains 04 long answer-type questions of 10 marks each. Learners are required to answers 02 questions only.

1. Describe OSI model in detail. Compare OSI model with TCP-IP model.
2. Explain point to point networks in detail.
3. Explain Client-Server architecture with example.
4. Explain and compare the characteristics of Guided and Unguided transmission media?
Draw and explain one example each of guided and unguided media.