



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

BCA 3RD YEAR 5TH SEMESTER ASSIGNMENT

Last Date of Submission: 15-Jan-2015

Course Title: Data Communication & Computer Network

Course Code: BCA-14

Year: 2014-15

Maximum Marks: 40 Marks

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. Differentiate between guided and unguided media.
2. What is firewall? Explain.
3. What is NIC? Explain the function of NIC.
4. What are the main functions of network layer in OSI model?
5. What are the advantages of Frame Relay?
6. Explain the basic components of data communication.
7. Write short notes on various transmission media.
8. Explain the following:
 - i. Switch
 - ii. Router
 - iii. Repeater
 - iv. Hub

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

1. Explain OSI reference model in detail.
2. What is computer network? Explain the types of network with the help of an example
3. Explain the various types of network topology.
4. Explain the various types of communication modes.