



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

BCA-11/BCA-16 3RD YEAR 5TH SEMESTER ASSIGNMENT

Last Date of Submission: 15/12/2016

Course Title: Data Communication & Computer Network

Course Code: BCA-14

Year: 2016-17

Maximum Marks: 30/40

Section 'A' contains 08 short answer type questions of 4/5 marks each. Learners are required to answers 4 questions only. Answers of short answer-type questions must be restricted to 250 words approximately.

1. Compare asynchronous and synchronous way of transmission.
2. What is the difference between unicast, multicast and broadcast?
3. What are the different modes of communication? Explain with an example.
4. Differentiate between connection-less and connection-oriented network.
5. What are the different functions of router?
6. What is NIC?
7. Differentiate between the dial-up and ADSL Internet connection.
8. Define the following terms
 - i. Intranet
 - ii. Extranet

Section 'B' contains 04 long answer-type questions of 7/10 marks each. Learners are required to answers 02 questions only.

1. Explain the layers of TCP/IP model.
2. Explain data communication components.
3. Explain different types of computer networks.
4. What is computer network? Explain OSI reference model.