



UTTARAKHAND OPEN UNIVERSITY, HALDWANI (NAINITAL)

BCA-II 3rd YEAR 5th SEMESTER ASSIGNMENT*Last Date of Submission: 15 Jan., 2014***Course Title: Data Communication and Computer Networks Course Code: BCA-14****Year: 2013-14 Summer****Maximum Marks: 40**

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

1. Explain data communication components
2. What are the different forms of data representation?
3. Explain the different types of computer networks.
4. What is networking? Explain advantages of networking.
5. What is network media? Explain.
6. What is internet? What are the different types of internet connections?
7. What is the difference between hub and switch?
8. What is router? Explain.

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

1. Explain OSI reference model.
2. Explain different types of topologies.
3. Explain in brief different types of network architecture.
4. Explain the difference between packet switching and circuit switching.