



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

M.Sc.IT 1<sup>ST</sup> YEAR 1<sup>ST</sup> SEMESTER ASSIGNMENT

*Last Date of Submission: 15- Jan-2014*

**Course Title: Fundamentals of Networking and Web Technology**

**Course Code: M.Sc.IT-04**

**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. Define computer network. What are the goals of computer networks?
2. What is the difference between circuit switching and packet switching?
3. What do you mean by network topology? Discuss each type of network topology.
4. How many layers are there in TCP/IP model?
5. What is transmission media? Explain.
6. What is Internet? Explain why internet is called a 'network of networks'?
7. What is an array? What is its use?
8. What are Meta tags? Explain.

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

1. Describe OSI reference model of computer network.
2. What is an IP address? Discuss the function of domain name system.
3. What is JavaScript? Describe in brief.
4. Describe how the Web browser communicates with the web server.