



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

PGDCA-16/PGDCA-17  
1<sup>ST</sup> YEAR 1<sup>ST</sup> SEMESTER ASSIGNMENT

*Session - 2017-18, Summer Last Date of Submission: 31st October 2017*  
*Session - 2017-18, Winter Last Date of Submission: 30th April 2018*

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

**Course Code: PGDCA-04**

**Maximum Marks: 30/20**

**Section 'A' contains 08 short answer type questions of 4/2.5 marks each. Learners are required to answers 4 questions only. Answers of short answer-type questions must be restricted to 250 words approximately.**

1. How HTML is related to WWW? Write HTML code for creating a simple table of 5 rows and 5 columns.
2. What are Data Transmission mediums? Write about the microwave medium.
3. What is message switching?
4. Compare between TCP versus UDP. Which one is more useful than the other ?
5. Write the name of OSI network layers with their uses. Describe how communication takes place between two host using OSI layers with the help of block diagram?
6. What is hypertext? How is it related to hypermedia? Give examples.
7. What is guided & unguided media?
8. Write short notes on any three of the following :
  - (a) ASP
  - (b) TELNET
  - (c) Search Engine
  - (d) FTP

**Section 'B' contains 04 long answer-type questions of 7/5 marks each. Learners are required to answers 02 questions only.**

1. What is meant by the Computer network? Write down the relation between LAN, WAN and MAN with suitable examples.
2. Write about ALOHA protocols in detail.
3. Describe the various error detection and correction methods in Network communication.
4. What is Java script? What are the advantages of Java script?

