



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

CERTIFICATE IN COMPUTER APPLICATION
ASSIGNMENT

Last Date of Submission: 15 January, 2012

Course Title: Introduction to Information Technology (CCA-11) **Course Code: CCA-01**

Year: 2011-12 (Summer)

Maximum Marks: 20

Section 'A'

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

1. Discuss the electronic components which were used in the development of the each generation of computers.
2. Differentiate between main memory, cache memory and virtual memory.
3. What do you understand by optical media? Differentiate between CD and DVD.
4. 'High speed memories are needed to bridge the gap of speed between CPU and main memory', Explain.
5. Differentiate between Static RAM and Dynamic RAM.
6. Discuss the importance of application software in system.
7. Explain the functions of each layer of the ISO-OSI model.
8. Write short notes on the following:
 - a. Dial-up connections
 - b. ADSL connections
 - c. ISP
 - d. Firewall
 - e. Internet security

Section 'B'

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

1. Discuss the following terms with examples:
 - a. System software
 - b. Application software
2. (a) Discuss the hardware components of a computer system.
(b) Differentiate between the functions of bridges and gateways in a computer network.
3. Compare different network topologies.
4. (a) Discuss applications of Internet.
(b) Explain the functions of a SMPS.

