



UTTARAKHAND OPEN UNIVERSITY, HALDWANI (NAINITAL)

CCAPP/ CCAP/ CWA/ CIT/ CDTP/ CCAD/ COASP/ DCA/ DIMM/ DIT/ DWD/ DDTP/ PGDCA/ ADCA/
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(M-01) ASSIGNMENT
**Computer Fundamentals, Operating
System Concepts**

Last Date of Submission: 15 January 2011

Course Title: Computer Fundamentals, Operating System Concepts

Course Code: M-01

Year: 2010-11

Maximum Marks: 20 Marks

Note : Section 'A' contains eight short answer type questions of 2.5 marks each. The learners are required to answer four questions only. Answers of short answer-type questions must be restricted to about 250 words approximately.

Section 'A'

1. What is 1's complement and how you obtain it?
2. Differentiate between volatile and non-volatile memory.
3. Write the name and use of any three application software.
4. Define:
 - a. Desktop
 - b. Screensaver
5. Write down steps to perform following task in windows operating system:
 - a. To create a folder
 - b. To copy a folder
6. List the symbols used in flow chart.
7. Write down the steps to change wallpaper.
8. Write DOS command for the following:
 - a. To move the file name sem.txt from c: drive to d: drive
 - b. To display the content of the file file.txt
 - c. Rename the file file.txt to new.txt
 - d. To change the date and time

Section 'B'

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

1. What are the different generations of a Computer ? Explain.
2. Draw logical circuit for:
 - a. $Y = \bar{A}B + A\bar{B} + \bar{A}\bar{B}$
 - b. $Y = \bar{A}B + \bar{A}\bar{B}$
 - c. $Y = \bar{A}B\bar{C} + A\bar{B}C + \bar{A}\bar{B}C$
 - d. $Y = \bar{A}BC + A\bar{B}C + \bar{A}\bar{B}C$
3. Convert following:
 - a. Convert to decimal system :
 - i. $(A2B4)_{16}$
 - ii. $(2315)_8$
 - b. Convert to Decimal:
 - i. $(592F)_{16}$
 - ii. $(AD5)_{16}$
 - c. Convert to Octal:
 - i. $(426.5)_{10}$
 - ii. $(9876)_{10}$
 - d. Convert to Octal:
 - i. $(10110111)_2$
 - ii. $(101101011)_2$
 - e. Convert to Hexadecimal:
 - i. $(7654)_8$
 - ii. $(1234)_8$
4. Explain briefly:
 - a. Multi tasking
 - b. Multi programming
 - c. Memory Hierarchy
 - d. External and Internal commands in DOS with example.