



UTTARAKHAND OPEN UNIVERSITY, HALDWANI (NAINITAL)

उत्तराखण्ड मुक्त विश्वविद्यालय, हल्द्वानी, नैनीताल

**PGDCA  
(M-10) ASSIGNMENT  
VISUAL BASIC,  
COMPUTER ARCHITECTURE,  
HTML/ DHTML**

*Last Date of Submission: 15 January, 2012*

**Course Title: Visual Basic,  
Computer Architecture, HTML/ DHTML**

**Course Code: M-10**

**Year: 2011-12**

**Maximum Marks: 20 Marks**

**Section 'A'**

**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.**

1. Name and explain the windows that are displayed by Visual Basic when it gets started.
2. Discuss the steps to be followed to add any object from the tool box to any application.
3. Explain the features of Integrated Development Environment (IDE) of Visual Basic.
4. Write an event procedure to find the sum of the squares of "n" natural numbers in VB.
5. Discuss event driven programming with the help of example.
6. Explain server Client Interaction.
7. Write a program in HTML to create an image map with all the three shapes.
8. Explain the following with truth table and block diagram:
  - a. Encoders
  - b. Decoders
  - c. Multiplexers
  - d. De multiplexers

**Section 'B'**

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

1. Differentiate between following:

- a. Combo Box and List Box
  - b. Picture Box and Image Box
  - c. Check Box and option Button.
2. Explain the importance of following DHTML events:
- a. ondbl click
  - b. onblur
  - c. on error
  - d. on key up
  - e. on mouse move.
3. Write an HTML code for creating a form, which accepts the birth date from the user in a textbox and displays the age of the user as a message box on the click of a button.
4. Simplify the following Boolean expression:
- a.  $F=X'Z+X'Y+XY'Z+YZ$
  - b.  $F(W,X,Y,Z)=\sum(0,1,2,4,5,6,8,9,12,13,14)$
  - c.  $F=A'B'C'+B'CD'+AB'C'+A'BCD'$
  - d.  $F(W,X,Y,Z)=\sum(0,5,10,11,12,13,15)$

