END TERM EXAMINATION

THIRD SEMESTER [BCA] DECEMBER 2010

Paper Code: BCA205   Subject: Front End Design Tools
Paper ID: 20205

Time : 3 Hours   Maximum Marks : 75

Note: Q.1 is compulsory. Internal choice is indicated.

Q1 (a) Differentiate between user defined data type and built in data type.
    (b) Explain the implicit and explicit declaration of variables.
    (c) What is COM/DCOM?
    (d) What are the advantages of having parent and child forms?
    (e) Explain the different types of modules available in VB6.0.
    (f) What is difference between a Picture Box and an Image Box?
    (g) Explain option explicit statement.
    (h) What do you mean by recordset and explain the types of
        recordsets?
    (i) What do you mean by data bound controls?
    (j) What is visual source safe? Explain its usage.   (10x2.5=25)

UNIT-I

Q2 (a) What are the different data types available in VB6.0?   (3)
    (b) Explain different types of procedures in VB by giving their syntax
        and suitable examples.   (4.5)
    (c) Write a program to generate a telephone bill. The conditions for the
        bill generation are-   (5)

(i)	Calls between 0-100	Free
(ii)	Calls between 101-200	Re.1 per call
(iii)	Calls between 201-300	Rs.2 per call
(iv)	Calls between 301 onwards	Rs.4 per call

OR

Q3 (a) Explain different looping logics with suitable examples.   (3)
    (b) What is the difference between an Array, and a Control Array?
        Define by giving suitable example.   (4.5)
    (c) Write a program for calculator using Control Arrays and functions. (5)

UNIT-II

Q4 (a) Write a program to read and display records from a sequential file. (5)
    (b) Explain the following:-   (4.5)
        (i) Printer object   (ii) Scale modes   (iii) Send keys
    (c) Write a program to select a font style and font size from 2 listboxes
        and display its preview on a label.   (3)

OR

Q5 (a) Write a program to open and add records in a binary file.   (5)
    (b) Explain open, save, color and font dialog boxes with example code. (3)
    (c) What is the difference between an error and an exception? Explain
        the error handling mechanism in VB6.0.   (4.5)

UNIT-III

Q6 (a) Write the steps to create a crystal report.   (5)
    (b) Explain the differences between DAO, RDO and ADO.   (3)
    (c) Write a program to display the records of all employees from a table
        emp and database empdata.   (4.5)

OR   P.T.O.

Q7 (a) Explain data environment designer and list the steps to create a Data Report. **(5)**
(b) List the steps to create a DSN. **(3)**
(c) Write a code in VB to show the usage of Backend stored procedure. **(4.5)**

UNIT-IV

Q8 (a) Write the steps for creating a Help using Microsoft Help workshop. **(5)**
(b) What are MAPI controls? Explain their usage by giving an example. **(4.5)**
(c) How can we create a Hotspot in a Help file? **(3)**

OR

Q9 (a) Explain the following:- **(2.5x3=7.5)**
   (i) Content Sensitive Help
   (ii) Microsoft Transaction Server
   (iii) API functions
(b) Write the steps to create a Help file using HTML Help workshop. **(5)**

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