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**CC-11**

01161

# BACHELOR IN COMPUTER APPLICATIONS

## Term-End Examination

## December, 2011

## CC-11 : VISUAL BASIC

*Time : 2 hours* *Maximum Marks : 75*

***Note :*** ***Question No. 1*** *is* ***compulsory.*** *Answer* ***any three*** *questions from the rest. All questions pertain to Visual Basic.*

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**1.** (a) What is a Data-aware Control ? What are the roles of the DbList, DbCombo and DbGrid controls respectively when placed on a form ? 7

(b) Write an event procedure to take a string as input which contains alphabets and special symbols and displays only the special symbols in the same order that they appear in the input. 7

Example : A$E_!I~"O@U

Output should be : $_!~"@

(c) List arithmetic, logic and relational operators those are supported by Visual Basic. Also, give one example statement (operation) for each of the relational operators. 9

(d) Write an event procedure to find the largest number among the three integer numbers given as input. 7

2. (a) Define database. Using the data manager, write the steps to create a new employee database for an organization "XYZ". 9

(b) Write a step-by-step procedure to create a Control Array with the help of an example. 6

3. (a) Explain the following control structures by giving their syntax and a suitable example for each : 8

(i) Select case statement

(ii) if...then

(b) Write an event procedure for a command button to generate prime numbers for 1 to 100. 7

4. (a) Mention various data types those are supported by VB. Give the characteristics of each data type, their purpose and the range. 8

(b) Write an event procedure to count the number of negative and non-negative numbers in a given list. 7

5. (a) Write an event procedure to generate a bill for super-market transactions along with the date, time, the details of the commodities purchased along with their rates and the total amount to be paid. Assumption can be made wherever necessary. 8

(b) Write a step-by-step procedure to create indexes and illustrate with the help of an example. 7