

CS/BCA(H)/Even/2nd Sem/BCA-203/2014

2014

Computer Programming

Time Alloted : 3 Hours

Full Marks : 70

**The figure in the margin indicate full marks.
Candidates are required to give their answers in their
own words as far as practicable**

GROUP - A

(Multiple Choice Type Questions)

1. Choose the correct alternatives for the following:

10x1=10

- i) What is the sequence of events when a form is unloaded?**
- i. Unload, QueryUnload, Terminate**
 - ii. QueryUnload, Unload, Terminate**
 - iii. Unload Only**
 - iv. QueryUnload, Unload**
- ii) Which event is triggered when the user moves to another form?**
- i. Unload**
 - ii. Deactivate**
 - iii. Terminate**
 - iv. Load**
- iii) When is the terminate event of a form triggered?**
- i. When the user moves to another form or program**
 - ii. When the form is unloaded**
 - iii. Never**
 - iv. When all references to the form are deleted**

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[Turn over]

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- iv) What is the sequence in which the following events are triggered when a form is loaded?
- i. Initialize, Resize, Paint, Load
 - ii. Load, Initialize, Resize, Paint
 - iii. Initialize, Load, Paint, Resize
 - iv. Initialize, Load, Resize, Paint
- v) The default lower index of an array is
- i. 2 ii. 1 iii. 0 iv. None of these.
- vi) ADO is a/an
- i. Method ii. Object model
 - iii. Inbuilt function iv. All of these
- vii) The _____ control is called collection or group of other controls
- i. Shape ii. Data iii. Line iv. None of these
- viii) IDE stands for
- i. Integrated Design Environment
 - ii. Information Development Environment
 - iii. Integrated Development Environment
 - iv. None of these
- ix) Visual Basic is _____ interface
- i. Back-end ii. Front-end
 - iii. Both of these iv. None of these
- x) The default variable of VB are
- i. Integer ii. String iii. Short iv. Variant

GROUP - B

(Short Answer Type Questions)

Answer any *three* of the following.

3x5=15

2. Why is VB6 an event Driven programming language? Explain with example. 2+3
3. Write a program in VB to check whether a number is Palindrome or not?

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4. What is select case structure? When do we use it? Give the general syntax of select case structure?
1+1+3
5. What is loop? Difference between static array and Dynamic array.
1+4
6. Write the difference between any two of the following.
 - a) List Boxes and Combo Boxes
 - b) Class and object
 - c) InputBox and Messagebox

GROUP - C

(Long Answer Type Questions)

Answer any *three* of the following.

3x15=45

7.
 - a) Write a VB code to perform insertion sort.
 - b) Find the following sum $S=1+3+5+\dots+n$. where n will be submitted by user in text box. Using
 - i) For-next
 - ii) Do until-loop
 - iii) Do-loop until
 - iv) while-wend
8.
 - a) Write a VB program to check whether a year is leap year or not.
 - b) Write the difference between Public function and Private function.
 - c) What do you mean by control Array? Explain with example. What is the significance of 'Option Explicit'?
9.
 - a) Write a program to Add, Modify and Delete records to/from the student table?
 - b) What is docking? What is collection? How does it differ from Array?
10. Write a program to display Fibonacci series.

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What is an Array? What is Option Base statement?

Write a program to transpose a matrix.

5+2+1+7

11. Write a program to add, edit, and delete records to/from the table.

What is Option Explicit statement? Explain with suitable example.

Describe the scope of Dim, Private, Public variables.

5+4+6

12. Write a program which will take 10 numbers from the user and add them up using appropriate message box and input box.

Describe the following events -

A. Load

B. Show

C. LostFocus

D. KeyPress

E. ReDim

What is data validation? Give an example.

What is primary key and foreign key? What is the difference between primary key and unique key?

5+4+3+3

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