

Name :

Roll No. :

Invigilator's Signature :

**CS/BCA/SEM-2/BCA-203/2013
2013**

COMPUTER PROGRAMMING

Time Allotted : 3 Hours

Full Marks : 70

The figures 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 :

10 × 1 = 10

- i) "Preserve" statement is usually associated with the statement
 - a) With
 - b) Dim
 - c) Redim
 - d) none of these.

- ii) The Key Press event occurs
 - a) when you press any key
 - b) when you press any function key
 - c) when you press any non-ASCII key
 - d) when you press any ASCII key.



- iii) **InputBox () is used to**
 - a) **take string from key board**
 - b) **return a string data**
 - c) **both (a) and (b)**
 - d) **neither (a) nor (b).**

- iv) **A module is a**
 - a) **form wizard** b) **query wizard**
 - c) **program to print data** d) **set of functions.**

- v) **While a project is executed, the event is called at first.**
 - a) **Form_change** b) **Form_Mouseup**
 - c) **Form_Load** d) **none of these.**

- vi) **Each control, in Visual Basic Form, is identified by**
 - a) **caption property** b) **text property**
 - c) **value property** d) **name property.**

- vii) **The control is called collection or group of other controls.**
 - a) **Shape** b) **Data**
 - c) **Line** d) **None of these.**

- viii) **ODBC stands for**
 - a) **Open Database Connection**
 - b) **Object Database Connection**
 - c) **Oracle Database Connection**
 - d) **None of these.**



- ix) The extension of an ActiveX control is
- | | |
|----------|-------------------|
| a) .VBX | b) .OCX |
| c) .RESX | d) none of these. |
- x) Which control has no Event ?
- | | |
|-------------------|-----------|
| a) Command Button | b) Label |
| c) Line Control | d) Timer. |

GROUP - B

(Short Answer Type Questions)

Answer any *three* of the following. $3 \times 5 = 15$

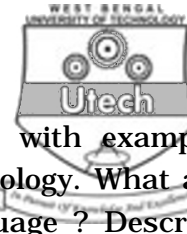
2. What is the difference between drop-down menu and pop-up menu ? What is the purpose of menu editor ? How is the menu editor accessed ?
3. What is Dynamic Array ? Explain with proper example. What is the use of "ReDim" statement in VB ?
4. What are actual parameter and formal parameter ? Explain with an example.
5. What are the different data-types in VB ? What do you understand by variant ?
6. What is a static variable ? How is it different from a global variable ?

GROUP - C

(Long Answer Type Questions)

Answer any *three* of the following. $3 \times 15 = 45$

7. What do you mean by event-driven programming ? What are the differences between event-driven programming and structured programming ? What are form, controls/objects, properties of object ? How names are used in object events ? Explain with example. $3 + 3 + 6 + 3$



8. Define array. What is 2D array ? Explain with example. What is object ? Define object oriented technology. What are the key features of an object oriented language ? Describe them. Write a program which will verify if a given number is prime or not (take one text box for taking input and a label for showing output). 1 + 3 + 1 + 2 + 4 + 4
9. a) Write a program to add, modify and delete records to/from the student table.
- b) State the steps and procedure called for creating a Data Report satisfying some conditions.
- c) What is docking ? Explain. 5 + 8 + 2
10. a) Explain the following events with suitable example :
- i) Load
 - ii) Show
 - iii) LostFocus
 - iv) KeyPress.
- b) What is an MDI form ? What is the utility of this form in a VB project ?
- c) Write a program in VB that will convert a number taken in a text box to different number systems through the different option button selections which are specifying different number systems. 6 + 2 + 7
11. Write short notes on any *three* of the following : 3 × 5
- a) Collection
 - b) OLE
 - c) Data control
 - d) Common dialog control
 - e) Combo box.