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**B.Sc. VI Semester (New) Degree Examination, May/June 2016**  
**COMPUTER SCIENCE**  
**Paper – I : Programming in Visual Basic 6.0**

Time : 3 Hours

Max. Marks : 80

I. Answer **any ten** :

(10×2=20)

- 1) Name any four properties of command button.
- 2) What is the use of properties window ?
- 3) What is the purpose of ReDim statement ?
- 4) How do you specify remarks/comments in VB ?
- 5) What is the difference between PictureBox and Image ?
- 6) Specify the filename extension of form and module.
- 7) Give the syntax of InputBox( ).
- 8) Expand : API, MDI.
- 9) Mention the purpose of show, Hide methods.
- 10) What is the significance of startup object ?
- 11) Mention the data types available in VB.
- 12) Write the logical operators available in VB.

II. Answer **any six** :

(6×5=30)

- 1) Write a note on menu editor.
- 2) Explain the looping statements of VB.
- 3) Design a VB application to change the color of the form using scrollbar.
- 4) Explain scope of variables in VB.
- 5) Explain the arithmetic operators in VB.
- 6) Demonstrate the use of checkbox and frame.

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- 7) Explain any three properties of list box and combobox.
- 8) Design a VB application to find factorial of a given number using function.

III. Answer **any three** :

(3×10=30)

- 1) Write a note on VB IDE.
- 2) Design a VB application to find sum and average of N numbers.
- 3) Explain any five string functions with syntax, purpose and example.
- 4) Explain user defined procedures and functions.
- 5) Design a VB application to count number of words in a given sentence.



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**Paper – II : Java and Internet Programming**

Time : 3 Hours

Max. Marks : 80

- Instructions :** 1) Answer according to the **instruction** given.  
2) **All the Parts are compulsory.**

**PART – I**

I. Answer **any ten** of the following :

**(10×2=20)**

- 1) List any four features of Java.
- 2) What do you mean by two stage system in Java ?
- 3) Why is Java strongly associated with the internet ?
- 4) Mention the system requirements for Internet Programming.
- 5) What is the function of AWT package in Java ?
- 6) What is bytecode ?
- 7) What is the difference between assignment and equality operator ?
- 8) Mention the special operators used in Java.
- 9) Write the syntax of else-if ladder with an example.
- 10) Mention the visibility modifiers in Java.
- 11) What is vector ? Give an example.
- 12) What is a remote applet ?

**PART – II**

II. Answer **any six** of the following :

**(6×5=30)**

- 1) List any five major difference between C and Java.
- 2) Describe in detail the steps involved in implementing a stand-alone program.
- 3) Explain increment and decrement operators in Java.
- 4) What is a constructor ? What are its special properties ?
- 5) Explain how the vector differs from an array.

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- 6) Explain how exception handling mechanism can be used for debugging a program ?
- 7) Develop an applet that receives three numeric values as input from the user and then displays the largest of the three on the screen. Write a HTML page.
- 8) List the important HTML tags and their functions in Java.

PART – III

III. Answer **any three** of the following :

**(3x10=30)**

- 1) Explain the structure of Java program.
- 2) Explain looping statements in Java.
- 3) Write a program to find area of geometrical figures using switch statement.
- 4) Describe the complete life cycle of a thread.
- 5) Write a Java program to demonstrate the usage of arrays, strings and vectors and also converts a string vector into an array of strings and displays the strings.