



11634

B.Sc. VI Semester Degree Examination, May/June 2017

COMPUTER SCIENCE

Paper – 6.1 : Programming in Visual Basic 6.0

Time : 3 Hours

Max. Marks : 80

Instruction : All Parts are compulsory.

PART – A

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

(10×2=20)

- 1) What is visual basic ?
- 2) Mention three tabs of New Project Dialog Box.
- 3) What are the components of IDEO of VB 6.0 ?
- 4) What is Tool tip ?
- 5) Mention the important file types in VB.
- 6) Mention some common properties of form.
- 7) Mention the properties of the form which will adjust the location and size of the form.
- 8) What is toolbox ?
- 9) What do you mean by event driven programming ?
- 10) Which prefixes used for command button and horizontal scroll bar ?
- 11) Name different ADO objects.
- 12) What is the object and class ?

PART – B

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

(6×5=30)

- 1) Explain the control array with an example.
- 2) Define and explain early binding Vs Late Binding.
- 3) Explain immediate if function with an example.
- 4) Explain separators used between the expressions.

P.T.O.



- 5) The following statistics is obtained in the year 2000, population of India 1000 million, population of China 1040 million. Annual growth of India 1.9%, annual growth of China 1.3%. Write a VB program to display a population table showing the population of the two countries each year until population of India becomes greater than that of China.
- 6) Explain Dynamic Arrays.
- 7) Explain the methods of parameter passing mechanism.
- 8) Explain private and public scope for a class.

PART – C

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

(3x10=30)

- 1) Explain with neat diagram an IDE of Visual Basic 6.0.
- 2) Explain different forms of select case statements in VB 6.0.
- 3) Explain looping statements in VB.
- 4) Design an user interface and write a VB code to develop simple calculator.
- 5) Write a note on :
 - a) Menu editor
 - b) ActiveX controls
 - c) Windows API
 - d) Files
 - e) Inheritance.



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6.2 : Java and Internet Programming

Time : 3 Hours

Max. Marks : 80

I. Answer **any ten (10)** of the following.

(10×2=20)

- 1) Expand JRE and JVM.
- 2) List non-primitive data types.
- 3) Define a Java token.
- 4) Mention decision making statements in Java.
- 5) What are the operators used in Java ?
- 6) Define a constructor.
- 7) What is an inheritance ? Mention its types.
- 8) Mention Applet types.
- 9) What is multithreading ?
- 10) Mention any two common Java exceptions.
- 11) Mention any two key events in Java.
- 12) Name any two graphics class methods available in Java.

II. Answer **any six (6)** of the following.

(6×5=30)

- 13) Explain Java virtual machine.
- 14) Write a Java program to generate Fibonacci series.
- 15) Explain if...else and nested if...else with syntax and flow-chart.
- 16) Explain while and do...while loops with syntax and flow-chart.
- 17) Write a Java program to generate KEB bill.
- 18) Explain default constructor with an example.
- 19) Explain various forms of inheritance.
- 20) Mention most common runtime errors.

III. Answer **any three (03)** of the following.

(3×10=30)

- 21) Explain features of Java.
- 22) Explain life cycle of a thread.
- 23) Write a Java program for Arithmetic operators using switch statement.
- 24) Define method overriding. Explain it with an example.
- 25) Explain life cycle of an Applet.