

XH-B.C.A.-VI

TDC-Part-III(Voc.) Exam.-2019

Time : 3 hours

Full Marks : 100

Candidates are required to give their answer in their own words as far as practicable.

The figures in the margin indicate full marks.

Question no.1 is compulsory. Answer any five questions from group-A and group-B selecting at least two from a group.

1.A. Choose the correct answer from the given options: 1×10

(i) The default property of picture box is

- (a) Caption
- (b) Picture
- (c) Text
- (d) Align

(ii) Which of the following is a keyword in Java?

- (a) If
- (b) Then
- (c) Next
- (d) None of these

(iii) In an if statement, when the condition is true

- (a) Only Else clause is executed
- (b) Only the Else if Clause is executed
- (c) Only the end if statement is executed
- (d) Only the if clause is executed

(iv) Str() function converts:

- (a) Number into string
- (b) String into numbers
- (c) String into binary
- (d) Number into binary

(v) A LABEL is an example of which of the following?

- (a) Property
- (b) Method
- (c) Event
- (d) Control

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(vi) The code that is used in sub procedure to stop execution of a program is:

- (a) Exit
- (b) End with
- (c) End
- (d) End sub

(vii) For which of the following, is default set to true in a menu editor:

- (a) Checked
- (b) Enabled
- (c) Visible
- (d) Window list

(viii) Which of the following statements are use to resize a dynamic array?

- (a) Dim
- (b) ReDim
- (c) Declare
- (d) Array

(ix) What are the two types of exceptions available in java?

- (a) Checked and compiled
- (b) Unchecked and compiled
- (c) Checked and unchecked
- (d) Compile and non compile

(x) What is the byte code in the context of Java?

- (a) The type of code generated by a java compiler
- (b) The type of code generalised by a java virtual machine
- (c) It is another name for a java source file
- (d) It is the code written within the instance methods of a class.

B. Fill in the blanks with appropriate words(s): 1×10

(i) Add..... method is used to add an item from a list box.

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- (ii) Clear property is available in control.
- (iii) OLE is stand for
- (iv) The process of locating and correcting the bugs in a program is referred to as
- (v) The.....indicates the type of data-for example, numeric or string-the memory location will store.
- (vi)is used for creating and implementing applets.
- (vii) Java supports programming.
- (viii) The java interpreter is known as
- (ix) The output of the Java compiler is executed by the...
- (x) is used for blocking a thread.

Group-A

- 2. (a) Explain all file types in a visual Basic project? 8
- (b) Describe any five common events of Visual Basic. 8
- 3. ~~(a)~~ What is explicit and implicit declaration of variables in Visual Basic? Explain with example. 8
- ~~(b)~~ Explain any 5 string functions of Visual Basic with the help of example. <https://www.brabuonline.com> 8
- 4. (a) Write a program in Visual Basic to generate a table of a number given by user. 8
- (b) Write a program to check whether the given number is palindrome or not? 8
- 5. (a) Write a program in visual basic to find the transpose of a given matrix. 8
- (b) Discuss the important characteristics of the form. 8
- 6. Write short notes on any four of the following terms of Visual Basic: 4x4=16

- (a) DynamicArray
- ~~(c)~~ List Box
- ~~(e)~~ Command Button
- (b) Label
- ~~(d)~~ Modules
- ~~(f)~~ Frame

Group-B

- 7. (a) Describe the genesis of Java. Also give a brief overview of Java. 8
- ~~(b)~~ Explain the two compilation phases of java program. 8
- 8. ~~(a)~~ What is inheritance Explain with examples, the different types of inheritance in Java, 8
- ~~(b)~~ What is an array? How is it created? Illustrate with an example. 8
- (a) Write a Java program for finding the factorial of a number. 8
- (b) Write a Java program for the addition of two matrices. 8
- 9. ~~(a)~~ What is an applet? Explain local applet and remote applet. 8
- (b) What are data hiding and data abstraction? Explain with suitable example. 8
- 11. Explain any four of the following terms: 4x4=16
- ~~(a)~~ Multithreading
- ~~(c)~~ Finalized () method
- ~~(e)~~ Method Overloading
- (b) Class and Object
- (d) This keyword
- (f) AWT
