KERALA STATE RUTRONIX

System Engineering, VB & VB.Net

(DCA -Fast Track)

Date:12/08/2012
Time : 2 hours

9.30am To 11.30am
Maximum Marks : 100

Note: Write the answers for Questions from 1 to 20 in the MCQ answer sheet

Part - l Choose the most appropriate answer   (10 x 1 Mark = 10 Marks)

1) Testing a system in the actual environment using real data is called ....
   a) Beta Testing   b) Alpha Testing   c) Series Testing   d) Stub Testing

2) Which is not a legal return value for MsgBox?
   a) vbOK   b) vbCancel   c) vbExit   d) vbAbort

3) Which of the following is the correct way to increment the value of variable P by one?
   a) P++   b) P+=1   c) ++P   d) P=+1

4) The ability to define properties, methods or procedures that have the same name but use different data types is called ....
   a)Overriding   b) Overloading   c) Exception handling   d) None of these

5) Which of the following is the correct way to obtain the number of elements in the array given below?
   ```
   Dim a() as integer={31,32,40,20,39,78}
   ```
   a) a.getmax   b) a.highest(0)   c) a.max(0)   d) a.length

6) The VB filenames have .... extension.
   a) .VBP   b) .vb   c) .vbr   d) None of these

7) Which operator has the highest order of precedence in arithmetic expressions?
   a) Multiplication   b) Addition   c) Exponentiation   d) Modulus

8) .... decisions follow a set of organization-formulated rules and regulations.
   a) Structured   b) Semi Structured   c) Unstructured   d) None of these

9) Image controls hold a graphic, which is assigned to the .... property in VB?
   a) Image   b) Text   c) Picture   d) Caption

10) What would be the result of Val (Text1.Text), if we enter 45.567m in the textbox Text1?
    a) 45.567   b) 45.5   c) 46   d) Run-Time Error

Part - ll Fill in the blanks   (10 x 1 Mark = 10 Marks)

11) To save the current record to a database .... method is used.

12) By default, all VB graphic measurements are in ....

13) .... keyword refers the current instance of an object.

14) .... function is used to display current date & time in VB.

15) While creating a menu using a menu editor we can use a .... symbol to make hotkey character.

16) .... control raises an event at regular intervals.

17) Each if statement must be terminated by .... statement.

18) Classes derived from base class are called ....

19) .... is a formal document that summarizes findings and recommendations on the proposed system.

20) .... window lists all the forms which make up the VB project.

Part - III Give expansion for the following   (10 x 1 Mark = 10 Marks)

21) ODBC

22) JIT

23) DML

24) DBMS
25) OLE
26) SQL
27) DDL
28) BASIC
29) IDE
30) BCNF

Part - IV Answer the following (Any Ten)   (10 x 5 Marks = 50 Marks)
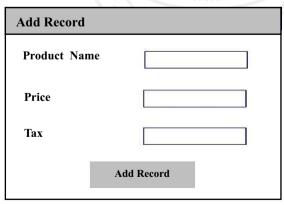
31) Write the VB/VB.NET program to print the months when the number of month is entered through textbox (eg: January=1). Using Select………..Case
32) Explain any five mouse events in VB/VB.NET.
33) Write down the syntax of For….Next loop and explain with an example to print even numbers less than 20.
34) Any five string functions in VB/VB.NET.
35) Briefly explain System Design objectives.
36) Write the VB/VB.NET program to print ten natural numbers using while loop.
37) Draw the diagram of Microsoft.Net Framework.
38) Explain the difference between ByRef and ByVal.
39) Explain Key Design Goals for .NET frame work.
40) Explain anomalies in database.
41) Logical operators in VB/VB.net.
42) What are the cost-benefit evaluation methods?
43) Describe the difference between Overloading and Overriding.
44) Write a VB/VB.NET application for input 3 numbers through text box and find biggest number using IF().

Part - V Answer the following (Any Two)   (2 x 10 Marks = 20 Marks)

45) Explain in detail about System Development Life Cycle.
46) Briefly explain System Testing.
47) Write the VB.NET code to add new records to an existing table named 'Product' in a Database named 'Shop'. The dat a to be inserted is obtained from a Form as shown in the picture .

Add Record

Product Name

Price

Tax

Add Record

48) Read the table and answer the following questions.

ProductID	ProductName	Price	Tax
20012	Ginger	705	10
20013	Garlic	256	6%
20014	Potato	285	9%
20015	Onion	250	6%

The structure and a few rows of a data table are shown above.

Write SQL Queries for

a) To add a new record (assume suitable values)

b) To delete the record with ProductID=20014.

c) List all products having a tax of 6%.

d) To revise the price of product having ProductID 20013 to 300.

e) Count the number of products having tax 6%.

f) To change the product name in the second record to 'Green Chilly'.

g) To list product names in ascending order.

h) To change all ProductName to UPPER CASE.

i) To add one more column named ID as Primary Key and make it Auto-increment.

j) Change the table name to 'Hypermarket'.