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[Established by Govt. of Kerala]
VB & VB.NET
(PGDCA, DCA, PDCA)

Time: 2 hours   **Maximum Marks: 100**

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

Part - I Choose the correct answer   **(10 x 1 Mark = 10 Marks)**

1) VB.NET comment starts with ………………..

   a) //   b) /*   c) *   d) '

2) …………. is the Dot net protocol.

   a) HTTP   b) TCP   c) SOAP   d) IP

3) ………………… window lists all the forms which make up the VB project

   a) Property   b) Tool box   c) Project   d) Coding

4) ………………. will make program to exit Do Loop

   a) Exit Do   b) ExitDo   c) Exit   d) ExitLoop

5) Program syntax for select case is ………………..

   a) CASE "A" :   b) CASE A   c) CASE "A"   d)All of these

6) Which is not a legal return value for MsgBox?

   a) vbOK   b) vbCancel   c) vbExit   d) vbAbort

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

   a) #   b) *   c) @   d) &

8) A …………… form is the first interface that appears on the screen, when an application is executed.

   a) Startup   b) Active   c) Main   d) Primary

9) ………………… returns a single value from a database query

   a) ExecuteScalar   b) ExecuteQuery   c) ExecuteParameter   d) ExecuteNonQuery

10) The ability to define properties, methods, or procedures that have the same name but use different data types is called ………………..

   a) Exception handling   b) Overloading   c) Constructors   d) None of these

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

11) The ……………… function can be used to check whether the value is numeric or not.

12) Each while loop must be terminated by ……………..

13) The null value can be checked using ……………. function

14) In VB.Net, the …………… statement always checks the condition before it begins the loop.

15) In VB.Net, the declaration statement for variables is the …………… statement.

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

17) By default, all VB graphic measurements are in …………

18) ………… control raises an event at regular intervals.

19) Variables declared within a Click-event procedure are ………… variables.

20) Structured exception handling is …………

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

21) RDBMS

22) ODBC

23) DML

24) BCNF

25) RAD

26) ADO

27) IDE

28) COM

29) JIT

30) SOAP

Part - IV Answer the following (Any Ten)   **(10 x 4 Marks = 40 Marks)**

31) Modules in VB.NET.

32) Any four string functions in VB.

33) Write a VB program to print numbers from 1 to 100 using **for** loop.

34) Operators in VB.net

35) Difference between GotFocus and LostFocus.

36) Explain any three mouse events in vb.

37) Mention the rules for declaring variable names in VB.

38) Explain the need of Normalization.

39) What is Class? Differentiate between Class and Object.

40) Write down the syntax of **Do** loops and **Do While** loops with example.

41) Write down the syntax of **For….Next** loop and explain with an example to print even numbers less than 20.

42) With reference to the table given below, answer the following questions

No	Name	Designation	Sale	Price
1	John	Manager	DOG	250
2	Amal	Clerk	CAT	300
3	Ali	Manager	HOTDOG	230

Write Queries

a) To add one record.

b) To delete the second record.

c) To select names in ascending order.

d) To change the name in the third record to 'Ashraf'.

Part - V Answer the following (Any Six)   **(6 x 5 Marks = 30 Marks)**

43) Explain the Core Objects of DOT Net Framework Data Provider.

44) Write a VB.NET application for input 3 numbers through text box and find biggest number using IF().

45) Draw the diagram of Microsoft.Net Framework.

46) Explain the difference between ByRef and ByVal.

47) Describe the difference between **inner join** and **outer join** with suitable examples.

48) Explain Key Design Goals for .NET frame work.

49) Distinguish between EXIT statement and END statement.