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VB & VB.NET (PGDCA, DCA)

F1 700

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

Note: Write the answers for Questions from 1 to 30 in the MCQ answer sheet

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

1. The windows that are displayed when you start VB are collectively known as_____
      a. SDI   b. MDI   c. IDE   d. JIT
2. Visual Basic is _____ type of programming language.
      a. event driven   b. object oriented   c. menu driven d. none of these
3. The VB filenames have_____ extension
      a. **.VBP**   b. **.vb**   c. **.vbr**   d. none of these
4. A text box can be used to _____
      a. input data   b. displaying contents   c. initiating actions   d. all of these
5. _____ window lists all the forms which make up your VB project
      a. Property   b. Tool box   c. Project   d. Coding
6. _____ are the graphical objects that make up your application's user interface.
      a. Controls   b. Frame   c. Form   d. None of the above
7. A _____ Form is the first interface that appears on the screen, when an application is executed.
      a. Startup   b. Active   c. Main   d. Primary
8. Set of SQL commands is called _____.
      a. Procedure   b. Clauses   c. Functions   d. None of the above
9. Which of the following can be called by reference?
      a. Class   b. Module   c. Function   d. Assembly
10. The _____ control allows the user to click it to perform Form action.
      a. Textbox   b. Command Button   c. Label   d. none of these

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

11. RAD stands for _____.
12. Structured exception handling is_____.
13. XML stands for_____
14. _____ control raises an event at regular intervals.
15. ADO stands for_____.
16. The output of the following program is _____.
```
      cnt =9, x=10, y=20
       do
           If cnt>=8 then
                 exit do
            else
                 z=x+y
            end if
       loop
```
17. _____ is the short cut key for running a program in VB.NET.
18. Classes derived from base class are called_____.
19. BCNF stands for_____.
20. The output of the following program is _____.
```
      string1="It was the best of times"
      string2="We were kids them"
      string3= Mid (string1, 10, 5) & Mid (string2, 5, 5)
```

Part-III State whether True or False   **(10 x 1 Mark=10 Marks)**

21. A twip is 1/20 of a printers point.
22. Form load is a Subroutine.
23. JIT stands for justify in time.
24. Visual Indicators or special graphical elements are called widgets.
25. A class is a reference type, whereas a structure is a value type.

26. A function cannot be called from a subroutine.
27. SOAP is the .NET protocol.
28. Common Language Runtime is the heart of .NET frame work.
29. Inheritance cannot extend the base class functionality.
30. A procedure can never return a value.

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

31. Draw the diagram of Microsoft.Net Framework.

32. Describe the difference between Overloading and Overriding.

33. Define Indexed Variables.

34. Explain the difference between Byref and Byval.

35. Explain the different types of files in VB.NET.

36. Describe the difference between inner join and outer join with suitable examples.

37. Explain Key Design Goals for .NET frame work

38. Distinguish between EXIT statement and END statement

39. Read the table given below and 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 'Alibaba'.

40. Explain core object of .NET frame work data provider.

Part-V Answer the following (Any four)   **(4 x 5 Marks=20 Marks)**

41. Explain the various levels of Database implementation.

42. Write a program to find the factorial of a number.

43. Explain any three loop structures with examples.

44. Explain any four string functions.

45. Explain five events in VB.NET.

46. Explain the steps for creating a Menu**.**

Part-VI Essay Questions   **(1 x 10 Marks=10 Marks)**

47. Write the VB.NET code to add new records
to an existing table named '`Empdata`'
in a Database named '`Employee`'.
The data to be inserted is obtained from a Form
as shown in the picture on the right.