



M. K. Institute Of Computer Studies, Bharuch
SYBCA SEM – IV
VB.NET (Question Bank)

Unit-1 (overview of Microsoft .net framework)		
1.	What is CLR? What is its use? (2 times)	2
2.	What is garbage collection?	2
3.	Explain MSIL	2
4.	Explain CTS in detail	2
5.	List the extension of files available in vb.net (2 times)	2
6.	What is importance of namespace?	2
7.	How Dim and ReDim statements differ?	2
8.	What is use of with statement in VB.Net ?	2
9.	Give the list of any six data types in VB.net	2
10.	Explain constant with an example	2
11.	Explain the importance of with...endwith statement in vb.net	2
12.	Explain .NET frame work in detail (5 times)	7
13.	Explain the features of VB.net.	6
14.	What is IDE ? Explain the IDE of VB.Net	6
15.	Explain various components of .NET framework	7
16.	Short note – CLR	7
17.	Explain CLR execution model. How the .net framework compiles and executes a program?	7
18.	Write a note on data types available in VB.Net.	7
Unit-2.1(Toolbox controls)		
1.	Explain option compare statement with suitable example	2
2.	How to fire an event? give its code?	2
3.	Name two properties of checked list box.	2
4.	How to load an image during routine in picture box?	2
5.	Define data set (2 times)	2
6.	Define shared variables	2
7.	Explain use mnemonic property of lable control	2
8.	What is class library?	2
9.	What is data binding?	2
10.	Explain collection	2
11.	What is difference between enabled and visible property of controls?	2
12.	Explain error-provider control in brief.	2
13.	What is a property? How to define it ?	2
14.	What is use of notify icon?	2
15.	What do you mean by property and event?	2



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16.	Which block is executed always in try block?	2
17.	What is significance of form?	2
18.	Write use of textbox control.	2
19.	Explain tooltip control	2
20.	What is module? (2 times)	2
21.	What is difference between checkbox and radio button?	2
22.	Give any two property of link label	2
23.	Explain any two property on rich textbox	2
24.	What is difference between listbox and combobox control? (2 times)	2
25.	Give the use of option strict ON/OFF	2
26.	Explain enabled , visible and locked property	2
27.	Explain any two event of tree view control	2
28.	How to open dataset only to read forward?	2
29.	Explain multiline and word-wrap property of text box control.	2
30.	What is significance of timer control ? explain it with an example	2
31.	Discuss important properties of progress bar	2
32.	Explain option strict statement with suitable example.	2
33.	Explain option explicit statement	2
34.	Write a note on tree view control with its property and methods (5 times)	7
35.	Write a note on message box and input box (2 times)	7
36.	Explain container in brief	4
37.	Explain resume line and resume next statement with example	4
38.	Short note on toolstrip. How to add a button in the toolstrip during runtime?	6
39.	Explain select case with example	5
40.	Explain MDI forms or what is MDI ? Explain it in detail. (3 times) or explain MDI and SDI in detail.	7
41.	Discuss on image list box. How to add icons in tree view	6
42.	Write about control statement	5
43.	Explain enabled , visible and locked property	5
44.	Write on list box and combo box control	5
45.	Write on timer control	5
46.	Explain option explicit, option compare and option strict.	6
47.	explain nested if and for next with example	4
48.	Explain checked listbox with all its property, event and method	6
49.	Listbox control with its properties, methods and events	7



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50.	Imagelist and timer controls (2 times) or explain imagelist control with its methods and properties.	7
51.	Error provider (2 times) , help provider and link label controls	7
52.	Explain scrollbar and progress bar with its property and event	7
53.	Explain various properties, methods and events of combobox control	7
54.	Explain textbox control along with its properties, methods and events.	7
55.	Explain RichTextBox control with its properties and methods and events (2 times)	7
56.	Explain various keyboard events available in vb.net	7
Unit 2.2 (Menus and dialogue Boxes)		
1.	What is a context menu? (2 times)	2
2.	Discuss on print dialog controls	5
3.	Discuss on any one common dialog control	5
4.	Explain open dialogue box and print dialogue box.	4
5.	Explain menu with its properties. Also write steps to design menu	7
6.	Explain any two dialog box in detail OR explain open and save dialog boxes. Or explain save file dialog box and open file dialog box with its properties , methods and events	7
7.	Explain font dialog box and color dialog box in detail	7

Unit 2.3 (Exception Handling)		
1.	What is the use of ISDBnull?	2
2.	Short note on exception, structured exception (2)	5
3.	Explain exception handling in detail (3 times)	7
4.	What is exception? Explain structured error handling. How exception can be raised explicitly?	7
5.	What is an exception ? explain all blocks necessary to handle exception.	7
6.	Explain try...catch...finally block with proper illustration	7
7.	Explain structured exception handling in detail	7



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Topic 2.4 Modules and Procedures		
1.	Give the difference between procedure and functions	2
2.	What is a use of val() function?	2
3.	Explain InStr function with example	2
4.	How could we pass the default argument?	2
5.	Write about functions and types of functions	6
6.	Write about string functions. (4 times)	5
7.	Explain date and time related functions of .net	7
8.	Explain procedure and function with example	6
9.	How can we pass variable no. of argument in procedure?	4
10.	Short note on functions. How does it differ from procedure	6
11.	What is function? Explain call by value and call by reference with proper example	7
12.	What is procedure? How it differs form function? How do we pass the arguments in it? Explain with example	7
13.	What is procedure? Also describe various ways to pass parameters	7
14.	How can we pass a variable number of arguments in procedure.	4
15.	Define module. Explain it with an example	5
Topic 2.5 Arrays and collections		
1.	What is difference between array and collection ?	2
2.	Explain parameters collection of command object with an example.	7
3.	Explain array in VB.Net (2 times)	4
4.	Explain array and collection with an example. How they deffered?	7
5.	What is difference between array and collection ? explain the any collection in detail	7
Unit 3 (Object oriented programming)		
1.	Define shadowing	2
2.	How to declare a class and event in it?	2
3.	Explain connection object ?	2
4.	Explain the use of command object in vb.net	2
5.	What is abstraction?	2
6.	What is abstract base class? Which keyword is used to create abstract base class?	2
7.	Explain "Me" keyword with example	2



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8.	What is the use of MyBase and MyClass keyword in vb.net	2
9.	Enlist access modifiers	2
10.	Discuss on class modifiers. How to define a class?	6
11.	Write on interface. Explain interfaced polymorphism	5
12.	Explain various access modifiers	4
13.	What is interface? How is it differing from inheritance? Explain in detail.	7
14.	Write about properties and methods of parameter class	6
15.	Short notes on inheritance, explain overriding.	6
16.	What is an inheritance ? is it possible to implement multiple inheritance in .net? justify your answer with an example.	7
17.	What is inheritance? Which inheritance is not supported in vb.net? explain its solution.	7
18.	Discuss on object oriented programming.	6
19.	Discuss on overridable, overrides, must overrides and overridable.	6
20.	Explain polymorphism with example (2 times)	7
21.	What is abstraction and encapsulation? Explain with example. (2 times) or explain abstraction, encapsulation and polymorphism with an example	7
22.	Write a note about classes, objects and constructors.	7
23.	What is an interface? Explain it with an example	7
24.	How can we create abstract base class in .net? explain with an example	7
Unit 4 (ADO.NET)		
1.	Name the properties of command objects	2
2.	Write about data adapter.	2
3.	What is provider? Why it is used?	2
4.	What is difference between data reader and data adapter	2
5.	Explain the use of ExecuteNonQuery, ExecuteScalar & ExecuteReader.	2
6.	Write about dataset and give the code to create dataset.	6
7.	Write on ADO.NET architecture (2 times)	6
8.	Explain ADO.net structure with all its object. (3 times)	7
9.	Discuss on command object	5
10.	Write about data table adapted class. Discuss its use	6



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11.	Explain help-provider and notify-icon	7
12.	Explain data set and data grid	7
13.	Explain dataset and data table in detail	7
14.	Explain objects of dataset and data relation with example	7
15.	What is disconnected data model? Give its advantages and disadvantages.	7
16.	What is ADO.NET? what is ADO.Net object model? Explain it in details. (2 times)	7
17.	Assume one table prod_mst(pdt_no,desc,qty,cost_price,sell_price) exists. How you can insert and delete record? Also search for pdt_no whose cost_price is less than sell_price.	7
18.	Write a connection string to connect the database. How will you insert and delete record in it?	7
19.	Write a step to connect with access database and perform insert, update and delete operations.	7
Practical exam		
1.	Create an application which maintain vehicle service job. Use job_master (job_no, vehicle_no, attend(y/n), type of job (accident, service, color), job_description, entity_date, delivery_date) Perform insert, update, delete, navigation operation, and also provide search facility on vehicle_no & job_type, which should jointly display result in data grid view.	40
2.	Create vb.net application, which store information for hospital. patient_master(pat_no,pat_name,doc_no,admit_dt,room_no) doctor_master(doc_no,doc_name,specialization) display name of patient admitted during current month. a) create appropriate forms and accept records. Provide facility to update ,delete, insert and view options. b) Display name of doctors and patients treated by them	40
3.	Create an application which performs insert,update, delete, navigation student information and search specific records based on city and name. Student (stud_no, name, address, city)	40
4.	Write a vb.net application which add, delete, display the list of students who belong to BCA faculty form student table. Student (sid, sname, saddr, facility, dept, class, h#, R#	