

COPYRIGHT RESERVED

BCA(II) — COMP/

2/XV/11

2011

Time : 3 hours

Full Marks : 80

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

The figures in the margin indicate full marks.

Answer from both the Groups as directed.

Group – A

(Objective Type Questions)

Answer all questions.

1. Choose the correct answer of the following :

2×10 = 20

(a) FCL stands for _____ .

(i) File class library

(ii) Framework class library

JX – 27/3

(Turn over)

- (iii) File common library
- (iv) None of the above
- (b) COM offered a model for binary code reuse ; it does not offer a model for _____ reuse.
 - (i) Source code
 - (ii) Binary code
 - (iii) Both (i) and (ii)
 - (iv) None of the above
- (c) All delegates are explicitly or implicitly derived from the _____.
 - (i) System.IO class
 - (ii) System.I Comparable class
 - (iii) System.data
 - (iv) System.Delegate
- (d) _____ of software development is usually done by the person or a team of persons called system analyst :
 - (i) Design phase
 - (ii) Coding phase
 - (iii) Requirements phase
 - (iv) All the above

JX - 27/3

(e) _____ specification that defines the core functionality that .NET platform must implement.

(i) FCL

(ii) CLR

(iii) CTS

(iv) None of the above

(f) A method that is either a Sub or a function can be overloaded in an interface using the _____ keyword.

(i) Overrides

(ii) Over links

(iii) Over shares

(iv) Overloads

(g) VB.NET is provided with the _____ compability.

(i) Backward

(ii) Forward

(iii) Both (i) and (ii)

(iv) None of the above

(h) Software quality records includes.

- (i) Test plan
- (ii) Development plan
- (iii) Test results
- (iv) Regression test results

(i) The _____ is checking the user input for validity before acceptance.

- (i) Validation
- (ii) Verification
- (iii) Both (i) and (ii)
- (iv) None of the above

(j) When using _____ testing, we are involved directly with the structure of the code within a module or code segment.

- (i) Dhoc
- (ii) White box
- (iii) Black box
- (iv) Both (ii) and (iii)

Group – B

(Long-answer Type Questions)

Answer any four of the following : $15 \times 4 = 60$

2. (a) What is difference between SDI and MDI?
How can we implement the MDI from in any visual basic project ?
- (b) Write the steps for adding member and tools bar in MDI form.
3. (a) Define following functions :
 - (i) CBOOL
 - (ii) CBYTE
 - (iii) COBJ
 - (iv) CSLR
 - (v) CSNG
 - (vi) SLR
 - (vii) IsError
 - (viii) Time Serial
 - (ix) CLNG
 - (x) FIX
- (b) Define the term literals. Write the syntax and scope of literals.

4. (a) What is the difference between console application and windows application ?
(b) Write the program to accept a a number and show its prime or not ?
5. (a) What is docking and anchoring controls ? How can we set the property in a from ?
(b) What is difference between Textbox and Rich Textbox ? Also define their five events.
6. (a) What is checkbox control ? Define their various property.
(b) How can we add the controls into group box control ?
7. (a) What is constructor and destuctor ? Define with a program.
(b) Define the term must override, overridable and not overridable.
8. (a) Write the base code for database connectivity from visual basic to MS-SQL server.

- (b) Write a program to update the name of following data through front end. after updation the database must be updated.

Roll	Name	Address	Phone
1	Nagesh	Aurangabad	9708666437
2	Narayan	Goa	9754332632
3	Chandan	Arwal	9519998188

9. (a) What is exception handling ? How can we use the exception handling in a program.
- (b) What is name space ? Define the various types of name space used in .NET
10. (a) Define the sql connection and sql command class with their base code used in a program.
- (b) What is threading ? Define the different types of threading supported by .NET

