



BCA (Part III) Examination, 2010

E-Commerce

Time allowed: Three Hours

Max. Marks: 50

Attempt any five questions. All questions carry equal marks.

1. What do you understand by E-commerce Framework? Explain different advantages and disadvantages of E-commerce in an enterprise.
2. What is Mobile Computing? Explain different applications of Mobile Computing.
3. What are firewalls? How they are useful in network security?
4. What do you understand by Electronic data interchange? Explain different document management issues in EDI.
5. Write notes on E-Services provides by different enterprises that appears useful in E-commerce.
6. What is E-payment System? How E-payment is useful for an enterprise? Also write other applications of E-payment.
7. Write a note on web based architecture of E-commerce.
8. "Electronic mail is a famous mode of communication these days." Is this a useful and secure mode of communication for business and other business issues? Give your opinion.
9. What is Mercantile process model? Also explain consumer's perspective for Mercantile model.
10. Give short notes on any two:
 - a. Encryption
 - b. Traditional Business Application
 - c. Soft money
 - d. Digital Libraries
 - e. Usefulness of Client Server Architecture in E-commerce



BCA (Part III) Examination, 2010
Computer Networks & Mobile Computing

Time allowed: Three Hours

Max. Marks: 50

Attempt any five questions. All questions carry equal marks.

1. Explain layered structure of networks. Also explain the layer to layer communication process.
2. What do you understand by switching? Differentiate between circuit and packet switching.
3. What do you understand by Ethernet? Explain the Ethernet frame format in detail.
4. What are Bridges? Give a note on Routing with Bridges.
5. Explain the Cordless Tele-communication System.
6. Give short notes on the following:
 - a. FDMA
 - b. TDMA
7. What do you understand by Wireless Technology? How it is benefited over wired Networking Technology?
8. Give short notes on the following:
 - a. MAC protocols
 - b. Virtual LANs
9. Explain Unicast and Multicast Communication.
10. Give short notes on the following:
 - a. Bluetooth
 - b. IEEE802.11



BCA(Part-3)-EXAMINATION, 2010
Visual Basic Programming
Time allowed : Three Hours
Maximum Marks : 50

Answer five questions in all . All questions carries equal marks.

1. (a). How many beeps will you hear in following example :

```
For x = 1 to 5
  For j=x to 3
    Beep
  Next j
Next x
```

- (b) Rewrite the following piece of code using a for.....next loop:

```
Private sub(md Display- click())
  Form1.print="Hello"
  Form1.print="Hello"
  Form1.print="Hello"
  Form1.print="Hello"
End sub
```

- (c) Rewrite the following code using if Select Case Round(Avg):

```
Case Is = 100
  grade="A"
Case 75 to 99
  grade="B"
Case 60to 75
  grade="C"
Case 50 to 59
  grade="D"
Case Is <50
  grade="E"
End Select
Print grade
End sub
```

2. What is toolbar ? How can we create a toolbar in Visual Basic ? Write complete steps.
3. Write a program to draw following shapes on their respective button's click :
- a. Rectangle



- b. Square
 - c. Oval
 - d. Circle
 - e. Rounded rectangle
 - f. Rounded Square
 - g. Straight Line
4. (a) What is data access mechanism ? Describe any two of them.
 (b) What do you mean by MDI Form? Describe.
5. Describe any five functions:
- a. Str
 - b. Str reverse
 - c. LTrim
 - d. Left
 - e. UCase
 - f. Val
 - g. Format
 - h. Rnd
6. Define the term Common Dialog Box. Describe any four Common Dialog Boxes. Explain the process to include a Common Dialog Box in Visual Basic program.
7. Write a program to display traffic lights. The light should display for 7 seconds, yellow light should display for 2 seconds.
8. (a) What is the difference between implicit declaration and explicit declaration ? Describe variant also.
 (b) Write steps of connecting database with the help of ADO.
 (c) Differentiate between the following :
 (i) List Box and Combo box
 (ii) Input box and Message box
9. Write short notes on any four of the following :
- a. Class Module
 - b. IDE
 - c. Visual Data Manager
 - d. ADO
 - e. Mouse Events
 - f. Recordset
 - g. Win32 ADI
10. Describe various operators used in VB.



BCA (Part III) Examination, 2010
Internet Tools And Website Development

Time allowed: Three Hours

Max. Marks: 50

Attempt any five questions. All questions carry equal marks.

1. Differentiate between (any two):
 - a. Client Side Scripting and Server Side Scripting
 - b. HTTP and SMTP
 - c. Static Web Pages and Dynamic Web Pages 2x5

2. What is ASP? Explain different properties and methods of request object. 2+8

3. Write short notes on any two of the following:
 - a. Telnet
 - b. Gopher
 - c. E-mail 2x5

4. What do you understand by 'DOM'? Explain different methods and properties of Window object. 2+8

5. Explain different mouse events of JavaScript with suitable example. 10

6. Write any asp code to connect with database and perform insert and delete operations on the table of your own choice. 2+4+4

7. Write a JavaScript code to swaps two images with Button click. 10

8. Explain Applet and its life cycle with suitable example. 10

9. Define the following terms:
 - a. Home page
 - b. URL
 - c. Exception
 - d. Collection
 - e. ISP 5x2

10. Explain different control structures and statements of JavaScript with suitable examples. 10



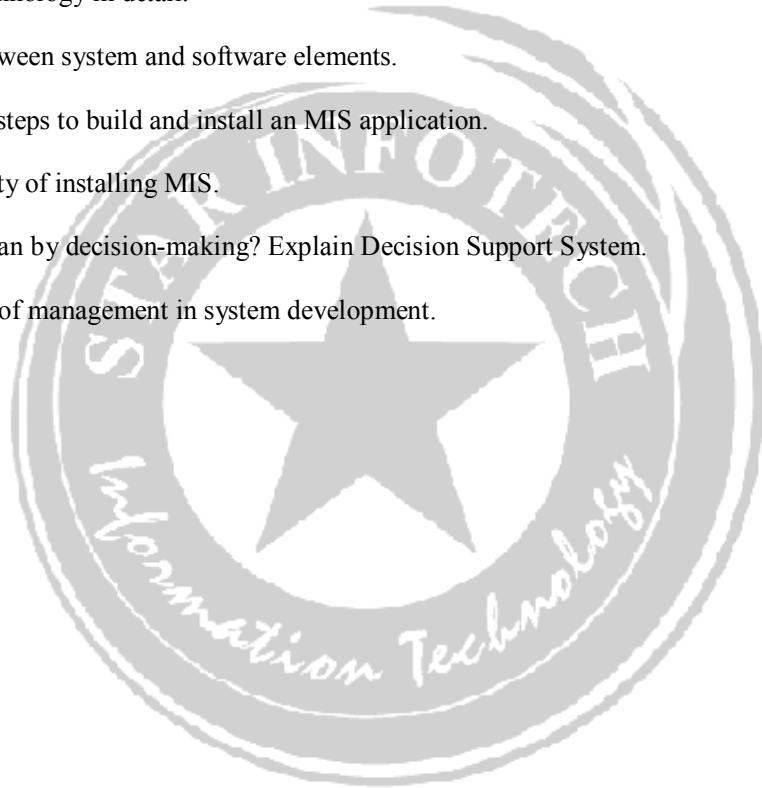
BCA (Part III) Examination, 2010
Management Information System

Time allowed: Three Hours

Max. Marks: 50

Attempt any five questions. All questions carry equal marks.

1. What do you mean by Management Information System? Explain its elements and characteristics.
2. What is MIS organization? Explain the process of building business model.
3. Define Database. Explain merits of a database over file system.
4. Define and explain system development life cycle in detail.
5. Explain MIS technology in detail.
6. Differentiate between system and software elements.
7. Explain various steps to build and install an MIS application.
8. Discuss feasibility of installing MIS.
9. What do you mean by decision-making? Explain Decision Support System.
10. Explain the role of management in system development.





BCA (Part III) Examination, 2010
Relational Database Management System

Time allowed: Three Hours

Max. Marks: 50

Attempt any five questions. All questions carry equal marks.

1. Explain various distributed database design technologies. 10

OR

What do you mean by distributed database? Write advantages and disadvantages of distributed databases.

4+3+3

2. Explain the following term (any two) 5+5
- a) Concurrency control techniques
 - b) Recovery
 - c) Dead locks.
3. Explain algorithm for external sorting with suitable example. 10
4. Differentiate between Equi join and Natural join with suitable example. 10
5. Explain the following (any two): 5+5
- a) Multimedia database
 - b) Data mining
 - c) Data warehousing
6. Explain languages and their command of SQL. 10
7. Explain with suitable example three tier client server architecture. 10
8. Write any ten function of Oracle/PL/SQL. 10
9. Explain error handling in PL/SQL. 10
10. Explain types of triggers. 10