B.C.A. (Part III) EXAMINATION, 2011
E-COMMERCE
Nineteenth Paper
Time allowed: Three Hours
Maximum Marks: 50

Attempt any five questions. All questions carry equal marks.

1. What do you mean by E-Commerce? Describe the differences and similarities between traditional and electronic commerce.
2. Define the application of E-Commerce with proper example. Explain the anatomy of E-Commerce.
3. What do you mean by thread? Define the various threads that affect the client server computing.
4. It is possible to customize the security concept? Define the possible solution to ignore the reason that affects the security.
5. What is the relation between Internet and E-commerce? Define the architectural framework of E-Commerce.
6. Define the customer oriented E-Commerce. Define the differences between customer to business and business to business model.
7. Define the purpose of EDI. Explain all its security components. Define the trade cycle of E-Commerce.
8. Define the various process model of E-Commerce.
9. Define the mercantile model for customer with the help of complete diagram and working representation.

B.C.A. (Part III) EXAMINATION, 2011
COMPUTER NETWORKING AND MOBILE COMPUTING
Twentieth Paper
Time allowed: Three Hours
Maximum Marks: 50

Attempt any five questions. All questions carry equal marks.

1. Describe the layering concept in OSI model of network architecture with the functions of each layer.
2. Explain different network topologies in detail with their relative advantages and disadvantages.
3. Define DECT. Explain its working with cordless telephone.
4. What do you mean by internetworking devices? Explain the working of two internetworking devices.
5. (a) Differentiate between LAN, WAN and MAN.
   (b) Differentiate between FDMA, TDMA and CDMA
6. Explain the frame format of wireless TCP.
7. What is orbit? Describe the types of satellite orbits. Also write the applications where satellites are used.
8. Explain Bluetooth architecture in detail.
9. What is wireless LAN? Define the services and standards of IEEE 802.11 family.
10. Write short notes on the following:
    a. Token Ring
    b. Gateways
    c. Private Networks
    d. MAC Protocol.

B.C.A. (Part III) EXAMINATION, 2011
VISUAL BASIC PROGRAMMING
Twenty First (BCA XXI) Paper
Time allowed: Three Hours
Maximum Marks: 50

Attempt any five questions. All questions carry equal marks.

1. (a) What do you understand by event driven programming? Explain it by taking examples of visual basic. (5)
   (b) Write a program with a good interface in visual basic to print first 20 Fibonacci numbers. (5)
2. Write the utility of the following in visual basic:
   a. Properties
   b. Project Explorer Window
   c. Immediate Window
   d. Object Browser (10)
3. Write an event procedure that accepts two strings m and n as input. The procedure should print whether m is a substring of n or not. Don't use any library function for finding whether one string is substring of other. (10)
4. Explain the properties of combo box with example. Discuss the general properties of the flex grid control? (10)
5. Write an event procedure to find the sum of the squares of "n" natural numbers. Design proper layout for front-end interface. (10)
6. Explain the various methods in OLE. Write a visual basic programme to find simple interest. (5+5)
7. Explain the following in brief:
   a. Compiler Error
   b. Break Point
   c. Watch Window
   d. Compile Directive (10)
8. How you create a parent and child form? Explain with example. (10)
   Explain the method of connecting an ADO data control to a database by writing code. (10)

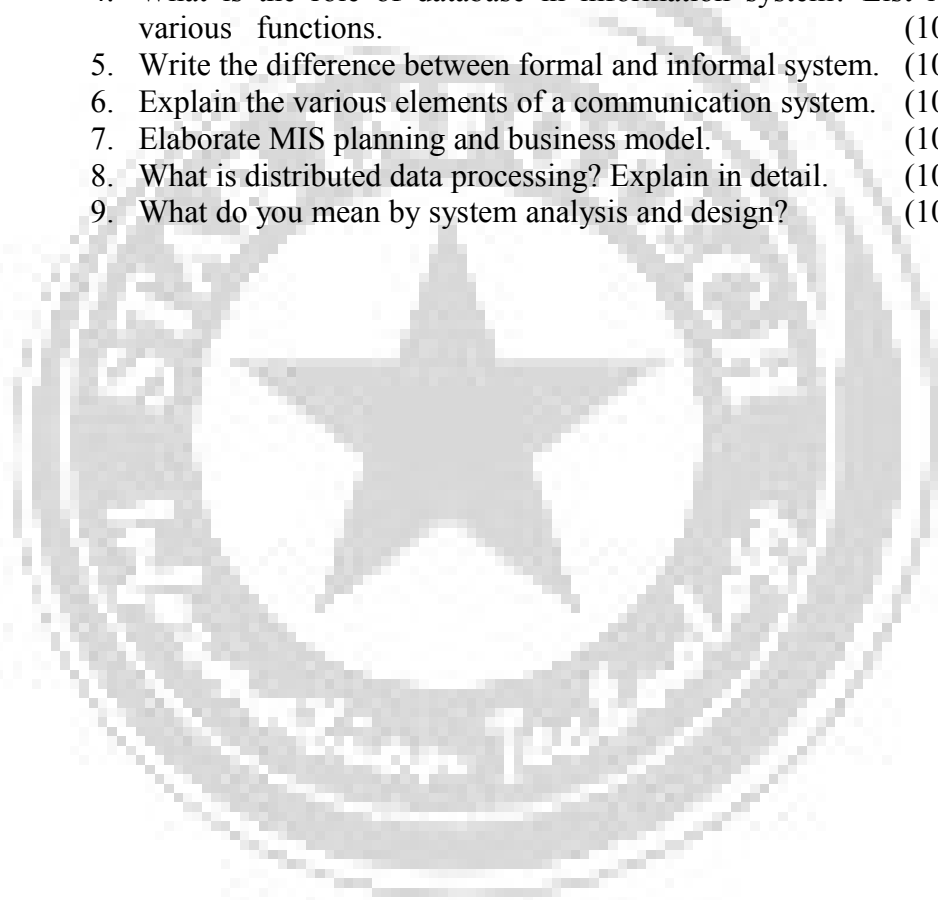Attempt any five questions. All questions carry equal marks.

1. (a) Why we need DNS server? What is the role of DNS server on internet?
   (b) What do you mean by URL? Explain the role of URL in network with example.
2. (a) What do you mean by TELNET? Explain the local and remote login.
   (b) Explain the various features provided by e-mail system.
3. Explain and draw the flow chart for developing a website for a client.
4. Explain the various features of java script in client side and server side.
5. (a) What is difference between java and java script?
   (b) Explain the operators in java script.
6. Explain applet and its life cycle with suitable example.
7. What is ASP? Explain different events and response object members.
8. Discuss various strength and weaknesses of java script.
9. Differentiate between (any two):
   a. SMTP and POP
   b. Static Web page and Active Web page
   c. HTML and ASP
10. Define the following terms:
    a. FTP
    b. Gopher
    c. ISP
    d. HTTP
    e. Home Page

B.C.A. (Part III) EXAMINATION, 2011
MANAGEMENT INFORMATION SYSTEM
Twenty-Third Paper
Time allowed: Three Hours
Maximum Marks: 50

Attempt any five questions. All questions carry equal marks.

1. What is management information system? What are the basic functions of MIS? Give some limitations of MIS.   (10)
2. Describe the purpose of decision support system. What are its various components? List its various components.   (10)
3. Describe the role of information in decision making.   (10)
4. What is the role of database in information system? List its various   functions.   (10)
5. Write the difference between formal and informal system.   (10)
6. Explain the various elements of a communication system.   (10)
7. Elaborate MIS planning and business model.   (10)
8. What is distributed data processing? Explain in detail.   (10)
9. What do you mean by system analysis and design?   (10)

B.C.A. (Part III) EXAMINATION, 2011
RELATIONAL DATABASE MANAGEMENT SYSTEM
Twenty-Fourth Paper
Time allowed: Three Hours
Maximum Marks: 50

Attempt any five questions. All questions carry equal marks.

1. What are distributed database? Write advantages and disadvantages of distributed databases. (10)
2. Briefly explain architecture of distributed processing system. (10)
3. Explain the following terms:
    (a) Concurrency Control Techniques
Dead Locks (5+5)
4. Explain algorithm for external sorting with the help of suitable examples. (10)
5. Briefly describe the select and join operations on data, with the help of suitable examples. (10)
6. Explain multimedia database with the help of suitable examples. (10)
7. What is SQL ? Explain the languages and commands of SQL with suitable examples. (10)
8. Write any five functions of oracle and SQL with the help of suitable example. (10)
9. Explain oracle transactions with the help of suitable examples. (10)
10. What are database triggers? Explain the use and type of database triggers. (10)