B.C.A (Part III) Examination, 2012

E-COMMERCE
Nineteenth Paper

Time Allowed: Three Hours
Maximum Marks: 50

Note: Attempt **five** questions out of **Nine** questions. All questions carry equal marks.

1. Define E-Commerce.   Explain the framework of E-Commerce.   Give Example.

2. "It is not the big fish who will eat small fish.   It is the fast which will eat slow." Explain the statement.   Also discs traditional commerce Vs. E-commerce.

3. Write sort note on Mobile Computing technology. What are the various mobile computing applications?

4. Discuss the following in brief :
    i.   Firewalls
    ii.   Threats
    iii.   E mail
    iv.   Data & Message Security

5. What do you understand by EDI?   What are EDI business applications?   Explain with example.

6. Explain the architecture of World Wide Web.

7. What do you understand by Pretty Good Privacy (PGP) and Privacy Mail (PEM)?   Explain.

8. Explain in detail with example Business-to-Business and Business-to-Consumer Models.

9. Discuss the mercantile models from the consumer's perspective and compare it with mercantile models from the merchant's perspective.

B.C.A (Part III) Examination, 2012

COMPUTER NETWORKS AND MOBILE COMPUTING
Twentieth Paper

Time Allowed: Three Hours
Maximum Marks: 50

Note: Attempt **five** questions out of **Nine** questions. All questions carry equal marks.

1.   What do you understand by OSI Model?   Why it is useful in networking?   Explain the functions of each layer of OSI model

2.   Differentiate following:
    i. Active and Passive Hub
    ii. Shielded and Unshielded twisted pair cable
    iii. Packet and Circuit switching.

3.   (a) What is token?   Explain it's working in a ring network.
       (b) Describe the working of router between two networks.

4.   What is an Ethernet LAN?   How does it work?   Describe the implementations of Ethernet LAN.

5.   What is multiple access?   Discuss the differences between FDMA, TDMA and CDMA wit proper explanation.

6.   What do you mean by IEEE?   Define IEEE 802.11 with it's services and advantages.

7.   Write short notes on :
    (a) Bluetooth
    (b) Handoff
    (c) In building communications

8.   What are MAC protocols?   Write the working and advantages of MAC layers.

9.   List out the differences between wired and wireless TCP.   Describe the architecture of 'Wireless TCP'.

B.C.A (Part III) Examination, 2012

VISUAL BASIC PROGRAMMING
Twenty First (BCA XXI) Paper

Time Allowed: Three Hours
Maximum Marks: 50

Note: Attempt **five** questions out of **ten** questions. All questions carry equal marks.

1. (a)   What do you understand by Integrated Development environment (IDE)? Explain its benefits also.
    (b)   Explain characteristics and features of Visual Basic.

2. Write an event procedure that accept two strings and concatenate them.   Don't use any library junction for concatenation.

3. Build a dynamic form in your program. Write steps clearly.

4. Explain graphics in visual basic.   Write steps to draw a picture in VB using graphics controls.

5. Explain control flow statements in visual basic.

6. Write short notes on followings-
    (a) Object Oriented Programming
    (b) Event Driven Programming

7. Write an event procedure to find the sum of the cubes of 'n' natural numbers.

8. Explain followings in VB:
        (i) Combo Box
        (ii) Scroll Bar
        (iii) Slider control
        (iv) Text Box

9. Write an event procedure that create a student file, read it and write student updates on it.

10. Explain following in brief:
    (a) Data Controls
    (b) User Interface
    (c) Editor
    (d) Menus and Toolbars

B.C.A (Part III) Examination, 2012

INTERNET TOOLS AND WEBSITE DEVELOPMENT
Twenty Second Paper

Time Allowed: Three Hours
Maximum Marks: 50

Note: Attempt **five** questions out of **ten** questions. All questions carry equal marks.

1. (a) Explain domain name system.   How are domains organized?
   (b) Write the features of ISP.

2. (a) Explain the E-mail addressing.
   (b) What is E-mail attachment?   How will you send and receive attachments on E-mail?

3. Explain and draw the flow chart for developing a website for a client.

4. (a) What is HTTP?   Explain the HTTP client request and HTTP server response with example.
   (b) Explain the Web Browser Architecture.

5. (a) Why we need JavaScript?   Discuss it.
   (b) What is difference between Java and JavaScript?

6. Explain different types of objects used in JavaScript with their properties and method.

7. What is ASP   ? Explain the various strengths and weaknesses of ASP.

8. (a) Explain the exception handling in ASP.
   (b) Explain the Data types of JavaScript.

9. Differentiate the following (any two):
   (i) Static Web Page
   (ii) Dynamic Web Page
   (iii) JavaScript and Java Server Pages
   (iv) Client side Programming & Server Side Programming

10. Write short notes on the following(any two):
    (i) TFTP
    (ii) Search Engines
    (iii) Hardware & Software requirement
    (iv)Telnet

B.C.A (Part III) Examination, 2012

MANAGEMENT INFORMATION SYSTEM
Twenty third Paper

Time Allowed: Three Hours
Maximum Marks: 50

Note: Attempt **five** questions out of **ten** questions. All questions carry equal marks.

1. What do you understand by organizational information system?   Discuss its need and importance. Distinguish between operational strategic and tactical information and levels of decision making.

2. Discuss the organizational structure of a business organization on the basis of levels in organizational hierarchy and on the basis of functional departments.   How do M/S helps in integrating these parts of organization.

3. Define and describe Management Information System.   Briefly describe its elements and success its importance for a business organization.

4. How do computerized information management systems support functioning of business organization?   Elaborate the creation and usage of data using appropriate data base management technologies.

5. Discuss distributed data processing and management for a banking organization/multinational bank. Use live examples of creation of data, storage of data and usage of data with data querying mechanism.

6. Describe the systematic approach towards building and installing M/S for an organization.

7. Discuss in detail the various phases of system development life cycle.

8. Write a detailed note on M/S feasibility report by describing business analysis, information need analysis, system synthesis and human issues in M/S implementation.

9. Discuss the intelligence, designs and choice phase of decision making.   What is the role and type of information needs for each phase?

10. What is the role of a system manager in organization systems?   Here discuss the importance of managements' support in M/S development.

B.C.A (Part III) Examination, 2012

RELATIONAL DATABASE MANAGEMENT SYSTEM
Twenty fourth Paper

Time Allowed: Three Hours
Maximum Marks: 50

Note: Attempt any **five** questions. All questions carry equal marks.

1.   Write a short note on Distributed Processing system.

2.   Explain the following

   (i)   Serializability
   (ii)   Recovery technique

3.   Describe the algorithm for external sorting.

4.   What are the different control structures sorted in PL/SQL? Explain.

5.   Explain the following:
   (a) Database trigger
   (b) Statement trigger
   (c) Before trigger

6. Explain the error handling in PL/SQL with suitable example.

7. Discuss the three tier client/ server technology.

8. Write short note on:
   (a) SQL stored Procedure
   (b) DDL and DML

9.   Describe the various commands of SQL with suitable examples.

10.   Write short notes on:
   (a) Data Mining
   (b) Data Warehousing