



B.C.A. (Part III) EXAMINATION, 2008
COMPUTER NETWORKS AND MOBILE
COMPUTING

Time allowed : Three Hours
Maximum Marks : 50

Attempt any Five question.. All question carry equal marks.

1. What is meant by network Topology? Describe three commonly used network topologies with their relative advantages and disadvantages. 2+8
2. Describe the layering concepts in OSI model of network architecture with the Function of each layer. 10
3. Explain how circuit switching method is used to link the sender and the receiver in a Communication Network. What are the advantages and disadvantages of this method of switching? 4+6
4. List out the differences between FDMA and TDMA. Which method is suitable for communication between computers and why ? 4+6
5. What do you mean by IEEE? Define 'IEEE802.3' and IEEE802.11 briefly. 10
6. (a) What is token? Explain its working in a ring topology.
 (b) Differentiate between narrow band, voice band and broad band communication channels. Give a practical application of each. 4+6
7. What is 'Project 802' ? Who started this project? Explain 802.15 (BlueTooth) in detail. 3+1+6
8. (a) Explain the security and Privacy in computer Network. Also describe the layers of protection. 2+4
 (b) Write short notes on :
 (i) Satellite
 (ii) Cordless telephony 2+2
9. Describe all three divisions of multiple access (Channelization) with diagram. 10



B.C.A. (Part III) EXAMINATION, 2008

E-COMMERCE

Time allowed : Three Hours

Maximum Marks : 50

Attempt any Five question.. All question carry equal marks.

1. Write the framework of E-commerce. Also write the anatomy of E-commerce application.
2. Write note on Mobile Data internet.
3. Illustrate with an example mobile computing technologies and its application.
4. Write short notes on the following :
 - (i) E-mail;
 - (ii) Internet.
5. Explain in brief techniques used in encrypted document facilities of E-commerce.
6. What is EDI ? Write EDI application in business, also explain in brief digital libraries.
7. Explain in brief consumer oriented E-commerce and its application.
8. Write short notes on mercantile process model and merchant model.
9. Write note on world-wide-web architecture.
10. network securities and firewalls.



B.C.A. (Part III) EXAMINATION, 2008
VISUAL BASIC PROGRAMMING

Time allowed : Three Hours

Maximum Marks : 50

Attempt any Five question.. All question carry equal marks.

1. What is Internet? Explain the advantage of Internet
2. Describe Internet security in detail.
3. Describe various Internet browsers with their merits and demerits.
4. Write short notes on :
 - a. Static, dynamic, and active web pages.
 - b. File Transfer protocol (FTP)
5. What is an Applet? Explain applet life cycle with example.
6. Write short notes on:
 - a. Internet cookies
 - b. Simple Mail Transfer Protocol (SMTP)
7. Write Short Notes on any two:
 - a. Telnet
 - b. Gopher
 - c. HTTP
8. Explain active server page(ASP). Describe various object methods in ASP.
9. Create a web page that accept book details like book name, publisher name, author name, cost of book, edition. Send the details on server using ASP.



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VISUAL BASIC PROGRAMMING

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1. Give detail of characteristics and organization of Management Information System.
2. How is database different from a conventional file system?
3. What are the main elements of communication system?
4. What is the role of management system in system development?
5. Write short notes on the following:
 - a. Decision Support System (DSS)
 - b. Decision Making System
6. What is system design? Why is it so important in the development of information system?
7. Define Development Cycle.
8. Give description and implementation of MIS feasibility of installing MIS.



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VISUAL BASIC PROGRAMMING

Time allowed : Three Hours

Maximum Marks : 50

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1. Discuss the advantages and disadvantages of Visual Basic. What is an IDE, explain in detail. How the debugger helps in rectifying syntactical and logical errors?
2. Visual Basic offers different type of projects. What are the usage of each of the type of projects? Explain with the help of suitable example.
3. Discuss the usage of the following :
 - (i) Timer Control.
 - (ii) Slider
 - (iii) Scroll Bar
 - (iv) Drive and File List Box
 - (v) Shape
4. Discuss the concept of Dynamic Forms. Write a VB dynamic program to initialize all the control available on the form.
5.
 - (a) Discuss the usage of SDI and MDI forms. How the menus are effected on reacted to the different types of forms
 - (b) Explain declaring and calling DLL procedure with the help of example.
6.
 - (a) How is DLL different from an API? Write a procedure to access Win32 API from VB.
 - (b) Differentiate between:
 - i. Design Time and Run Time
 - ii. Menus and Toolbars
 - iii. Input / Output statements and Control Flow Statements
 - iv. Frame and Tab Strip
 - v. Graphics controls and Text Controls
7. Write a program to update a table in database with the help of VB Form. The Form contains the name of student, Year of admission, Date of Birth, Percentage in 12th, Last school passed etc.
8.
 - (a) Why is the Visual Basic known as Windows programming language? What

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are the usage of Common Dialog Control? Explain with example?

- (b) Write a VB program to accept Student ID on the form, the control should not allow user to enter any other character except the numerals using event driven concept.

