

WEB TECHNOLOGY

(For those who joined in July 2006 and after)

Time : Three hours

Maximum : 75 marks

PART A — (7 × 5 = 35 marks)

Answer ALL the questions.

1. (a) What are the steps involved in the process of Serving a Web page to a User on the Internet?

Or

(b) Write short notes on Security with IIS.

2. (a) Write is IIs? What are the Services provided by IIS?

Or

(b) Explain the Portability Issues faced by the CGI Programmers.

3. (a) Write notes on CGI Sever Requirements.

Or

(b) Explain the steps involved in Processing the Script.

4. (a) Explain the Client Specific Environment Variables.

Or

(b) Write short notes on URL encoding.

5. (a) Explain how HTTP proxy is configured.

Or

(b) Explain the Host Access Rules.

6. (a) Write short notes on Application Gateways.

Or

(b) Explain Asymmetric Cryptography.

7. (a) What are the goals of Cryptography.

Or

(b) Explain

(i) Certificate Authority

(ii) Digital Signature.

PART B — (4 × 10 = 40 marks)

Answer ALL the questions.

8. (a) Explain how the Client Server model is applied to the World Wide Web.

Or

(b) Write short note on

(i) Certificate Server

(ii) Internet Mail Server.

9. (a) Describe the CGI Script structure.

Or

(b) Explain the standard CGI Environment Variables.

10. (a) Explain how CGI is integrated into HTML page.

Or

(b) What is firewall? Explain the TIS firewall kit.

11. (a) Explain the advanced firewall architecture.

Or

(b) Write is Crypt analysis. Explain in detail.

**PRINCIPLES OF MANAGEMENT AND
ORGANIZATIONAL BEHAVIOUR**

(For those who joined in July 2006 and after)

Time : Three hours

Maximum : 75 marks

PART A — (7 × 5 = 35 marks)

Answer ALL questions.

1. (a) Discuss various social responsibilities of business.

Or

(b) What is forecasting & planning?

2. (a) Discuss various guidelines for effective Organization.

Or

(b) Explain functions of Human resource management.

3. (a) Explain Maslow's need hierarchy theory.

Or

(b) What are the essential factors of an effective control system?

4. (a) Explain the environmental effect on behavior.

Or

(b) Describe some personality traits.

5. (a) What is a group? Describe types of groups.

Or

(b) Discuss need for employee counseling.

6. (a) Explain Managerial functions & Roles.

Or

(b) Discuss Delegation of Authority.

7. (a) What are the advantages of Interview?

Or

(b) Discuss Behavioral Guidelines of Effective Control.

PART B — (4 × 10 = 40 marks)

Answer ALL questions.

8. (a) Discuss the Era of Scientific Management.

Or

(b) Explain the setting of organizational objectives.

9. (a) Explain process of performance appraisal.

Or

(b) Discuss different types of communication.

10. (a) Describe qualities of a good leader.

Or

(b) Explain the process of perception.

11. (a) What is Group cohesiveness? Explain Theories of Group formation.

Or

(b) Discuss characteristics of organizational culture.

NETWORK PROGRAMMING

(For those who joined in July 2006 and after)

Time : Three hours

Maximum : 75 marks

PART A — (7 × 5 = 35 marks)

Answer ALL questions.

1. (a) List out the LU 6.2 verbs.

Or

- (b) Write about four commands of name service.

2. (a) Describe the socket options of get sock opt system calls.

Or

- (b) Write about SO - KEEPALIVE and SO - BROADCAST Commands.

3. (a) Explain the three signals of socket.

Or

- (b) Write about - WNet Receive ().

4. (a) What is hanging up?

Or

- (b) Write any four common windows sockets error codes.

5. (a) What is SPX programming?

Or

(b) Write about event control block.

6. (a) Explain the structure of SPX HEADER.

Or

(b) What is Internet Ping Client?

7. (a) List any five Client User Interface.

Or

(b) Explain Terminal Line Discipline with neat diagram.

PART B — (4 × 10 = 40 marks)

Answer ALL questions.

8. (a) Explain the process of Unix-to-Unix Copy with neat diagram.

Or

(b) Write about the six layers of OSI protocols.

9. (a) Write about 90cH options for Networking.

Or

(b) Write all system calls of Elementary Socket.

10. (a) Write about the commands of IPX and SPX.

Or

(b) Explain Receiving and Sending IPX messages.

11. (a) Write about five modules of 4.3 BSD.

Or

(b) What are the technique used by TFTP connection.

VISUAL PROGRAMMING CONCEPT IN VISUAL C++

(For those who joined in July 2006 and after)

Time : Three hours

Maximum : 75 marks

PART A — ($7 \times 5 = 35$ marks)

Answer ALL the questions.

1. (a) List out the various differences between DOS and Windows based programming.

Or

(b) What are the various advantages and disadvantages between structured programming and object oriented programming?

2. (a) Explain about API and its types with their components.

Or

(b) Write a SDK program to create a Simple Window.

3. (a) Discuss about the features of MFC Library in detail.

Or

(b) Explain about the Mouse Interaction with a sample program.

4. (a) Explain about the creation of Menu Template using Resource Editor.

Or

(b) Compare Document/View Architecture with Dialog-Based Architecture.

5. (a) Explain about the MFC library of category those that are not derived from C object.

Or

(b) Write a program for Message Map illustration.

6. (a) List out the features of Application Wizard and Class Wizard.

Or

(b) List out the key properties for the Combo Box Control.

7. (a) Explain about the Graph Program and its Visual Design.

Or

(b) Write a coding to display the contents of Edit Box.

PART B — (4 × 10 = 40 marks)

Answer ALL the questions.

8. (a) Explain about the Fonts with its characteristics and terminologies.

Or

(b) Explain about the window structure in detail.

9. (a) Discuss about the variety of objects created from the Button class encouraged by windows.

Or

(b) Write a program to create your own pen and brush to draw a line and a rectangle and fill it.

10. (a) Explain about the Modal and Modeless dialog box.

Or

(b) Explain about MENUS in detail.

11. (a) Discuss about the various controls, their properties available in the toolbar.

Or

(b) Write a VC++ program that use the mouse and keyboard with Draw and Mykey programs.

DATA MINING AND DATA WAREHOUSING

(For those who joined in July 2006 and after)

Time : Three hours

Maximum : 75 marks

PART A — ($7 \times 5 = 35$ marks)

Answer ALL the questions.

1. (a) Explain various operations in OLAP.

Or

- (b) What are different types of schema's in warehousing?

2. (a) What are the steps in Partitioning data set?

Or

- (b) Explain Pincer - Search Algorithm.

3. (a) Explain the significance of CACTUS.

Or

- (b) Describe the procedure used to determine the centroid of a cluster.

4. (a) What are the principles involved in tree construction?

Or

(b) Explain the binary splits for categorical attributes.

5. (a) Describe CART.

Or

(b) List out the advantages of Neural Network.

6. (a) List out the three Transfer function and explain any one of them.

Or

(b) Explain Indiscernibility is Rough Set Algorithm.

7. (a) Define Page Rank. How to find Page Rank of a page.

Or

(b) Explain web usage Mining.

PART B — ($4 \times 10 = 40$ marks)

Answer ALL the questions.

8. (a) Explain Multi Dimensional Data Model.

Or

(b) List out the function of OLAP engine and the three options of OLAP. Explain MOLAP.

9. (a) Explain the various methods to discover single - dimensional Boolean association rules.

Or

(b) Explain Dynamic Item set counting Algorithm.

10. (a) Explain in detail the clustering feature and CF Tree.

Or

(b) Discuss Decision - Tree Construction algorithms.

11. (a) Explain Sequence Mining.

Or

(b) Explain Temporal Association Rules.
