

D.K.M. COLLEGE FOR WOMEN (AUTONOMOUS),VELLORE-1.

DEPARTMENT OF COMPUTER SCIENCE AND APPLICATIONS

ADVANCED JAVA PROGRAMMING

QUESTION BANK

UNIT I

SECTION-A

6 MARKS

1. Explain about Applet Architecture.
2. Write short notes on Applet Initialization and Terminals.
3. Explain about any 5 methods in APPLET class.
4. Explain about HTML Applet Tag.
5. Explain Two event handling mechanisms.
6. How to handling Mouse Events?
7. How to Handling Keyboard Events?
8. Write short notes on Inner Classes.
9. List out the AWT Classes. Explain.
- 10.Explain about Windows Fundamentals.
- 11.Write short notes on Color Methods.
12. Explain the Flow Layout in detail.
13. How to Creating and Selecting a Font?
- 14.How to displaying Multiple Lines of text?
15. Explain Check Box Group.
16. Briefly explain the containers in Swing.
17. Explain the Painting Process in Swing.
18. Write short notes on Choice Controls.
19. Write short notes on Text Field.
20. Explain about Abstract Window Toolkit components with examples.
21. Explain five methods of applet skeleton. What are they? Discuss.
- 22.Write a java program to illustrate the use of JButton.
23. Examine the two Image Filters.

SECTION-B

15 MARKS

1. Explain briefly about Various Event classes.
2. Explain about Various Listener Interfaces.
3. Explain briefly about Working with frames.
4. Explain briefly about Working with Graphics.
5. Explain briefly about Working with fonts.
6. Explain Various Controls fundamentals with example.
7. What is Layout Manager? Explain its types.
8. Give the use of Swing Buttons. Explain with sample program.
9. Explain the following with example a) Tabbed pane b) Scroll pane c) List d) Combo box e) Trees f) Tables
10. Explain about Usage of Swing.
11. Explain any five Swing component classes.

UNIT II SECTION-A 6 MARKS

1. Explain the JDBC architecture.
2. Explain the architecture of 2-tier and 3-tier models.
3. Explain the process of installing ODBC Driver.
4. What is SQL? Explain.
5. How will you populate the Database?
6. Explain about metadata.
7. Explain Scrollable and Updatable Results.
8. Explain JDBC configuration in detail.
9. Explain Manipulating Database in JDBC.
10. Name and explain the three kinds of statements in JDBC.
11. Write short note on HTTP GET request.
12. How JDBC communicate with database? Explain.

SECTION-B 15 MARKS

1. How will you connect the database? Explain the steps for connecting in detail.
2. Briefly explain the execution queries with an example.
3. Explain the process of executing queries with an example.
4. How to establish a connection and explain about metadata?

UNIT III SECTION-A 6 MARKS

1. Explain the life cycle of a servlet.
2. How will you create and compile a simple servlet program.
3. What is servlet? Explain.
4. Write about the Methods defined by servlet request?
5. Give the overview of HTTP.
6. Explain about syntax and semantics of JSP.
7. What are the basic steps to build and test a simple Servlet? Explain.

SECTION-B 15 MARKS

1. Give the expression, scriptlets and declarations of JSP.
2. Explain the HTTP Request and Response with an illustration.
3. Give the evolution of JSP related with web application.
4. Explain javax.servlet package.
5. Explain any three types of scripting elements in JSP.

UNIT IV SECTION-A 6 MARKS

1. Write about event listeners.
2. Explain about request dispatching.
3. How will you access the database with JDBC.
4. Write about session Tracking in detail.
5. How to retrieve values of parameters?
6. Explain how to create and update a table using Queries.
7. Explain about request dispatching.
8. Write a java program to add new record to a table.

SECTION-B 15 MARKS

1. Explain the procedure of thread management with an example.
2. How will you access the database with JDBC.
3. Describe the lifecycle of Thread in Java.
4. Write a Java program to read and display the contents of a table using JDBC.

UNIT V SECTION-A 6 MARKS

1. Explain the basics of networking.
2. What is socket? Explain.
3. Explain about addressing.
4. Explain about proxy server.
5. Explain about Datagram and Server/Client concept.
6. Give a note on Inet Address.
7. Write any two kinds of TCP sockets in Java. Explain.

SECTION-B 15 MARKS

1. Explain about socket programming.
2. Explain about TCP/IP Sockets.
3. Explain in detail about datagrams.
4. Give short notes on net address.
5. Write short notes on a) Socket Overview b) TCP/IP Client sockets.

ASP.NET FRAMEWORK

Time : 3 Hours

Max. Marks :75

SECTION -A (5 X 6 =30)

Answer ALL the questions.

- 1 (a) Write short note on .NET Framework
(OR)
(b) Explain about the types, namespaces and Objects in ASP.NET
- 2 (a) Explain IIS in ASP.NET
(OR)
(b) Write an ASP.NET Program in VB to display the student mark sheet with grade
- 3 (a) Discuss about Web Controls
(OR)
(b) Explain about Error Handling
- 4 (a) Explain XML Classes
(OR)
(b) Explain Data Document
- 5 (a) Explain about ADO.NET
(OR)
(b) Write Short notes on Repeaters

SECTION -B (3 X 15 = 45)

Answer any THREE of the following questions:-

1. Discuss in detail about the .NET Languages.
2. Explain how to set up the .NET Environment in detail
3. Explain the Visual studio .NET Development Environment.
4. Discuss in detail about Document Text Writer and Text Reader
5. Explain Data Binding and Data Grid.
