

2. List different types of Java Programs.
3. What is JVM?
4. What is CORBA? Explain advantages of CORBA over beans.
5. Explain Encapsulation in Java.
6. What is Thread? List down various methods of Thread.
7. List down layouts in Applet. Explain any one.
8. Explain features of Swing.
9. What is inet Address?

Q-3 Answer the following questions:

- A. Explain inheritance in detail in java with suitable example. [6]
- B. What is Java? List all features of JAVA and explain any six. [6]

OR

- B. Explain Exception handling in detail. [6]

Q-4 Answer the following questions:

- A. Explain the use of final & abstract keyword with example. [6]
- B. Explain Socket Programming with Example. [6]

OR

- B. What is Applet? Explain Applet Life Cycle. [6]

Q-5 Answer the following questions:

- A. List different types of JDBC drivers. Explain any two in detail. [6]
- B. What is RMI? Explain stub and skeleton model for RMI. [6]

OR

- B. Write a note on HTML Applet Tag. [6]

Q-6 Answer the following questions:

- A. Draw JSP Architecture. Explain the steps in life cycle of JSP page. [6]
- B. What is Servlet? Explain Servlet Life Cycle. [6]

OR

- B. Explain Vector and ArrayList class with example. [6]

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[99]

SARDAR PATEL UNIVERSITY**M. Sc. Information Technology****Semester – III External Examinations****PS03CINT04 – Distributed Application Development Technology****Saturday, 15th April, 2017****Time: 02:00 p.m. to 05:00 p.m.****Total Marks: 70****Q1. Select the most appropriate answer of the following questions: [8]**

1. _____ is used to describe, publish and find web services.
A. UDDI
B. WSDL
C. XSDL
D. None of these
2. In ASP.NET .asmx is extension of _____.
A. Web page
B. Global page
C. Web Service
D. None of these
3. If a well formed XML document conforms to DTD rules it is _____ XML document.
A. standard
B. valid
C. descriptive
D. None of these
4. _____ can be used to navigate through elements and attributes in an XML document.
A. XSLT
B. XPATH
C. XLINK
D. None of these
5. The extension of C# code file in dot net framework is _____.
A. cs
B. vb
C. html
D. None of these
6. In ADO.NET _____ command method returns number of rows affected.
A. ExecuteNonQuery()
B. ExecuteXRowQuery()
C. ExecuteXColQuery()
D. None of these
7. DataReader object of ADO.NET allows data traversal in _____ direction.
A. forward
B. reverse
C. forward & reverse
D. None of these
8. In dot net _____ class methods allows user to get information about the loaded assembly and types within them like classes, interface and value types.
A. Recreation
B. Runtime
C. Recallable
D. Reflection

Q2. Answer the following questions: [Any Seven] [14]

1. Give full form of (i)WSDL and (ii) UDDI.
2. What is XSLT? Give uses of XSLT.
3. Explain DTD in brief.
4. Mention the use of delegate in C#.

5. Explain the use of IsPostBack in brief.
6. What is Session? Mention advantages of using Session.
7. Explain connection string in ADO.NET in brief.
8. Differentiate between DataReader and DataSet.
9. Discuss in brief requirement of localization in dot net.

Q3 A Draw and explain in detail architecture of dot net framework. [6]

Q3 B Discuss in detail the concept of .Net Passport and .Net alerts for authentication. [6]

OR

Q3 B Explain the structure of XML document with example. Also state the uses of XML. [6]

Q4 A List and explain data types supported by C#.NET. [6]

Q4 B List and explain in detail any three standard controls of ASP.NET. [6]

OR

Q4 B List and explain in detail any three validation controls of ASP.NET. [6]

Q5 A List and explain different stages of Asp.Net page life cycle in detail. [6]

Q5 B Describe in detail the architecture of ADO.NET. [6]

OR

Q5 B Discuss the role of DataAdapter in ADO.NET with example [6]

Q6 A Write a note on garbage collection in dot net. [6]

Q6 B Mention in detail the uses of mobile application in dot net. [6]

OR

Q6 B Write a note on remoting in dot net. [6]
