**Chapter -22 & 23:**

**1. The Java Development Kit (JDK) includes capabilities within the standard set of class libraries for**

**processing Extensible Markup Language (XML) documents. The classes that support XML processing are collectively referred to as**

a. the Java API for XML Processing (JAXP).

b. the XML API for Java Processing (JAXP).

c. the simple API for Java Processing (JAXP).

Answer: a

**2.XML and HTML are profoundly different in purpose and capability which one is false**

a. An XML document defines the structure of the data it contains so a program that receives it can properly interpret it. The purpose of HTML is data presentation.

b. An HTML document defines the structure of the data it contains so a program that receives it can properly interpret it. The purpose of XML is data presentation.

c. HTML provides you with a set of tags that is essentially fixed. The first step in using XML to exchange data is to define the language that you intend to use for that purpose in XML.

Answer: b

**3. An XML document basically consists of two parts which are**

a. a prolog

b. a document body

c. PI

Answer: a,b

**4. An XML declaration that defines the version of XML that applies to the document and may also specify the particular Unicode character encoding used in the document and whether the document is standalone or not. Either the character encoding or the standalone specification can be omitted from the XML declaration, but if they do appear, they must be in the given sequence.write correct syntax.**

a. <?xml encoding=”UTF-8” version=”1.0” standalone=”no”?>

b. <?xml version=”1.0” standalone=”no” encoding=”UTF-8” ?>

c. <?xml version=”1.0” encoding=”UTF-8” standalone=”no”?>

d. <?xml version=”1.0” ?>

Answer: c,d

**5. Processing instructions (PI) for the document may also appear at**

a. end of prolog

b. begin of xml declear

c. end of document body

Answer: a,c

**6. A XML document is a well-formed document .when it is valid**

a. an associated Document Type Definition

b. properly nested

d. has an ROOT

Answer: a

**7. XML recognizes the following predefined entities that represent characters that would otherwise be recognized as part of markup:Character whitch one is not**

a. &lt;

b. &gt;

c. &amps

Answer: c

**8. The names you choose for elements must begin with either a letter or an underscore and can include digits, periods, and hyphens which one is not valid name.**

a. net\_price b. email\_xml c. cc

Answer: b

**9. a Document Type Definition (DTD) defines how valid elements are constructed for a particular type of document.how you do declare DTD for you document.**

a.<!DOCTYPE address SYSTEM “AddressDoc.dtd”>

b.<!DOCTYPE address public “AddressDoc.dtd”>

c.<!DOCTYPE address[..... ]>

Answer: a,c

**10 . a Document Type Definition (DTD) defines how valid elements are constructed for a particular type of document. how you do declare DTD for general document.**

a.<!DOCTYPE address SYSTEM “AddressDoc.dtd”>

b.<!DOCTYPE address public “AddressDoc.dtd”>

c.<!DOCTYPE address[..... ]>

Answer: b

**11. XML document has at least -**

a. DTD

b. Root

c. XmL declearation

d. any text

Answer: b

**12. how do you define root element?**

a. <!ELEMENT address (buildingnumber, street, city, state, zip)>

b. <!ELEMENT address (#PCDATA)>

c. <!ELEMENT address (#CDATA)>

d. <!ENTITY address (#PCDATA)>

Answer: a

**13. <!ELEMENT operatingsystem (AnyOS | Linux | Solaris | Windows)>**

a. everyone must be on XML document

b. any one may be on XML document

c. any one must be on XML document

D. None of them

Answer: b

**14. Default namespace of Schema if**

a. xmlns:xsd

b. xmlns:schema

c. xmlns:schemaLocation

Answer: a

**15. Java supports two complementary APIs for processing an XML document.**

a. SAX

b. ASX

c. DOM

Answer: a,c

**16. SAX uses an event-based process for reading an XML document that is implemented through a callback mechanism.which one is not**

a. StartElement()

b. EndXML()

c. charecters()

Answer: b

**17. The public domain part of the SAX API is in three packages that are shipped as part of the JDK. Which one is correct for**

a. org.xml.sax— This defines the Java interfaces specifying the SAX API and the Input Source class that encapsulates a source of an XML document to be parsed.

b. org.xml.helpers— This defines a number of helper classes for interfacing to a SAX parser.

c. org.xml.sax.ext— This defines interfaces representing optional extensions to SAX2.

Answer: a,c

**18. The javax.xml.parsers package defines four classes supporting the processing of XML documents .which one is not in correct package.**

a. javax.xml.parsers.SAXParserFactory

b. javax.xml.parsers.SAXParser

c. javax.xml.parsers.dom.DocumentBuilderFactory

d. javax.xml.parsers.DocumentBuilder

Answer: c

**19. SAXParserFactory spf = SAXParserFactory.newInstance() to get factory object.**

a. throws SAXExecption

b. throws SAXExecption

c. throws ParserConfigurationException

d. none of them

Answer: d

**20. for Following code**

**SAXParser parser = null;**

**try {**

**parser = spf.newSAXParser();**

**}catch(SAXException e){**

**e.printStackTrace(System.err);**

**System.exit(1);**

**}**

a. compiled and run

b. compile fail

c. compile but run time Execption

Answer: b

**21.To parse a document using the SAXParser object you simply call its parse() method. you have to sup-ply two arguments to the parse()method. The first identifies the XML document, and the second is a-**

a. DTD

b. DefaultHandler

c. Schema

Answer: b

**22. Four interfaces are all implemented by the DefaultHandler class .which one is not in correct Name**

a. The ContentHandler interface

b. The Entitysolver interface

c. The DTDHandler interface

d. The ErrorHandler interface

Answer: b

**23. startElement(String uri,String localName,String qName,xyz attr) which one is the type of xyz.**

a. Attribute

b. Attributes

c. Entity

Answer: b

**25. SAXParserFactory spf = SAXParserFactory.newInstance(); how do you set Schema to the actory Object**

a. spf.setSchemaFactory(schema);

b. spf.setSchema(schema);

c. spf.setSchemaName(schema);

Answer: b

**26. The Node interface that is defined in the org.w3c.dom package is fundamental to all objects that encap-sulate components of an XML document, and this includes the Document object itself (xmlDoc).How do you get Root element.**

a. Element root = xmlDoc.getDocumentElement();

b. Element root = xmlDoc.getDocumentRoot();

c. Element root = xmlDoc.getRootElement();

Answer: a

**Chapter-24:**

**1.What do you mean by data access?**

1. Data access is the process of retrieving data that is taken from a remote or local data source.
2. Data access is the process of manipulating data that is taken from a remote or local data source.
3. Data access is the process of retrieving or manipulating data that is taken from only a remote data source.
4. A and B

Answer: D

**2.Which are common examples of data sources that you might access –**

1. A remote relational database on a server or a local computer— (for example, SQL Server, Personal Oracle or Microsoft Access).
2. A text file on your computer.
3. An online information service (such as a stock market ticker, for example).
4. All of the above.

Answer: D

**3.The Java Database Connectivity (JDBC) Library is implemented in which package?**

1. java.lang
2. java.util
3. java.sql
4. java.mysql

Answer: C

**4.What is the technical term for a row in a table?**

1. Tuple
2. Record
3. Field
4. None of the above

Answer : A and B

**5.SQL is different from other programming languages that you may be familiar with in that it is \_\_\_\_\_\_\_.**

1. declarative
2. and procedural
3. It is not different from other languages
4. Not readable like English sentence

Answer: A

**6.JDBC manages to operate with a variety of different relational database systems by having an implementation of the JDBC interface for each specific database.**

1. True
2. False

Answer: True

**7.Which of the following is JDBC base Standard?**

1. SQL X/Open CLI
2. Oracle
3. Mysql
4. All of the above

Answer: A

**8.Which of the following statement is false?**

1. Driver Manager - Loads database drivers and manages the connections between the application and the driver.
2. Driver - Translates API calls into operations for a specific data source.
3. Connection - A session between an application and a database.
4. Metadata - Information about returned data, the database, and the driver
5. Resultset - Logical set of columns and rows of data returned by executing a statement
6. None of the above.

Answer: F

**9.All work with JDBC will begin with –**

1. the java.mysql.DriverManager class
2. the java.sql.DriverManager class
3. the java.oracle.DriverManager class
4. All of the above

Answer: B

**10.The forName() method can throw which exception?**

1. ClassNotFoundException
2. SQLException
3. NumberFormatException
4. IOException

Answer: A

**11.A connection to a specific data source is represented by an object of a class that implements the –**

1. java.sql.getConnection interface
2. java.mysql.Connection interface
3. java.sql.Connection interface.
4. Java.Connection interface.

Answer: C

**12.Which is correct syntax to get connect with database?**

1. Connection databaseConnection = DriverManager.Connection(source);
2. Connection databaseConnection = DriverManager.getConnection(source);
3. Connection con = DriverManager.getConnection(source);
4. Connection database = DriverManager.getConnection(source);

Answer: B, C and D

**13.Most JDBC methods and also getConnection() mentod handle errors by throwing which exception –**

1. ClassNotFoundException
2. SQLException
3. NumberFormatException
4. IOException

Answer: B

**14.If the database requires a user name and password to gain access which is correct syntax**

1. Connection databaseConnection = DriverManager.Connection(source);
2. databaseConnection = DriverManager.getConnection(sourceURL, myUserName, myPassword);
3. databaseConnection = DriverManager.getConnection(myUserName, sourceURL, myPassword);
4. databaseConnection = DriverManager.getConnection(myUserName, myPassword, sourceURL);

Answer: B

**15.JTable is to use an object that encapsulates the data that is to be displayed in the table and implements the –**

1. java.swing.table.TableModel interface
2. javax.swing.table.TableModel interface.
3. javax.swing.TableModel interface.
4. Javax.table.TableModel interface.

Answer: B

**16.Which is the correct url for mysql connection?**

1. Jdbc.odbc.JdbcOdbcDriver
2. com.mysql.jcbd.Driver
3. jdbc:mysql://localhost:3306/ databaseName, myUserName, myPassword
4. jdbc:odbc:technical\_library

Answer: C

**Chapter-25:**

**1. Retrieving data from a JDBC data source, the ResultSet implementation will map the SQL**

**data onto Java data types. Which of the following SQL-to-Java mapping is/are not true?**

1. String- VARCHAR, LONGVARCHAR
2. CHAR -String
3. BIT -byte
4. NUMERIC- java.math.BigDecimal

Answer: c

**2. We can check the value for the time-out period with which method?**

1. getTimeout()
2. setTimeout()
3. getQueryTimeout()
4. setQueryTimeout()

Answer: c

3**. The setMaxFieldSize() method applies only to columns with which of the following SQL data types?**

1. VARBINARY
2. LONGVARCHAR
3. TINYINT
4. DECIMAL

Answer: a,b

**4. Which methods are used to set values for the placeholders that appear in the Preparedstatement?**

1. setAsciiStream()
2. setBigInt()
3. setDecimal()
4. setBoolean()

Answer: a,d

**5. Which of the following is true for PreparedStatement?**

1. Placeholders are indexed in sequence from right to left starting at 0
2. Placeholders are indexed in sequence from left to right starting at 0
3. Placeholders are indexed in sequence from right to left starting at 1
4. Placeholders are indexed in sequence from left to right starting at 1

Answer: d

**6.Which are true?**

1. executeQuery () method to execute statements that change the contents of the database
2. executeQuery() method expects only an SQL statement that generates results
3. executeUpdate() method to execute statements that change the contents of the database
4. executeUpdate () method expects only an SQL statement that generates results

Answer: b,c

**7. The X/Open standard defines the SQL state as a five-character string that consists of two parts. The first two characters of the string define\_\_\_\_ and the next three characters define\_\_\_\_\_ of the state.**

1. the class, the subclass
2. the subclass, the class
3. the class ,vendorcode
4. vendorcode, the subclass

Answer: a

**8.Which of the following the characters represent the SQL state “Invalid transaction termination”.**

1. HZ000
2. 21S01
3. 08007
4. 2D000

Answer: d

**9.Which method removes the child node at position index for the current node?**

1. remove(int index)
2. remove(MutableTreeNode node)
3. removeFromParent()
4. remove(MutableTreeNode child,int index)

Answer: a

**10. Nodes that have no children are called-**

1. root node
2. leaf nodes
3. parent node
4. child nodes

Answer: b

**11.The javax.swing.tree package includes a DefaultTreeModel class that implements TreeModel.**

1. True
2. False

Answer: a

**12. We can get information about the tables within the database with the getTables() method, which is of the following form:**

**ResultSet getTables(String catalog,String schemaPattern,String tableNamePattern,String[] types)**

**Which argument return table name?**

1. 1st argument
2. 2nd argument
3. 3rd argument
4. 4th argument

Answer: c

**13. TreeExpansionListener interface declares two methods.They are**

1. treeExpanded()
2. treeCollapsed()
3. treeWillCollapse()
4. treeExpansionListener()

Answer: a,b