

## 17UIT413 – ADVANCED JAVA

### Unit –I

K1 level

1. Which one is the light weight component?  
(a) Canvas      (b) JApplet      (c) JDialog      (d) **JPanel**
2. Which package contains classes that provide the basic capabilities to create GUIs?  
(a) Java.util      (b) **Java.awt**      (c) java.event      (d) java.plaf
3. Choose the lightweight component that allows the editing of a single line of text.  
(a) Label      (b) JTextArea      (c) **JTextField**      (d) JButton
4. Default layout manager of JApplet is  
(a) **FlowLayout**      (b) BorderLayout      (c) BoxLayout      (d) GridLayout
5. Which one has no corresponding AWT Component?  
(a) JTextArea      (b) JTextArea      (c) **JToggleButton**      (d) JRadioButton
6. Which class does not belong to javax.swing package?  
(a) JApplet      (b) JFrame      (c) JTextField      (d) **None of these**
7. Which one is not a direct child class of JComponent?  
(a) JLayeredPane      (b) **Abstraction**      (c) JTextArea      (d) JComboBox
8. Which component uses a viewport to display its component?  
(a) JTextArea      (b) JScrollPane      (c) **JToolBar**      (d) JTree
9. JSlider generates which type of event?  
(a) Item event      (b) Action event      (c) **Change event**      (d) None of these
10. A JTable does not consist of.  
(a) Column headings      (b) Rows of data      (c) **An editor**      (d) Row headings

## Unit –II

1. Expand for JAR.

(A) Java Associated

**(B) Java Archive**

(C) Java Alignment

(D) Java Access

2. Which supports dynamic event listener creation?

**(A) Event Handler**

(B) Encoder

(C) Introspector

(D) Statement

3. Which provides ability to save a Bean to nonvolatile and retrieve it at a later time?

(A) Bean Builder

(B) Bean Info

(C) Constraints

**(D) Persistence**

4. Which process is used to analyze a bean?

**(A) Introspection**

(B) Encoder

(C) Introspector

(D) Expression

5. Find the Boolean property value?

(A) True

(B) False

**(C) both (a) and (b)**

(D) none of these

6. Which method calls random color ( )?

**(A) Change()**

(B) Repaint()

(C) Paint()

(D) none of these

7. Which class is used to obtain information about a BEAN?

**(A) Beans**

(B) Encoder

(C) Expression

(D) Event

8. What is the option for Manifest file not created in JAR?

**(A) M**

(B) m

(C) 0

(D) f

9. What is bean scope?

**(A) Bean scope forces Spring to produce a new bean instance as per the scope defined.**

(B) Bean scope defines the accessibility of bean in a java class.

c) Bean scope defines the accessibility of bean in a java package.

d) Bean scope defines the accessibility of bean in a web application.

10. An Enterprise JavaBeans can be deployed in \_\_\_\_\_

- a. J2EE server
- b) Weblogic
- c) Web sphere
- d) All of the above**

### **Unit –III**

1. The \_\_\_\_\_ is a component which knows about a specific DBMS which requires a specific driver.

- a)Application
- b)Driver Manager
- c)Driver**
- d)None

2. \_\_\_\_\_ is not a derivative of Microsoft's ODBC specification.

- a)JDBC**
- b)ODBC driver Manager
- c)JDBC-ODBC bridge
- d)both a and b

3. The object of ResultSet is generated by executing the \_\_\_\_\_ method.

a)executeResultSet()

**b)executeQuery()**

c)SelectQuery()

d)getResult()

4. In statement interface, \_\_\_\_\_ is used to execute static and dynamic SQL statements.

**a)Statement object**

b)Open Statement

c)Execute Statement

d)Select statement

5 .The \_\_\_\_\_ string is used to separate the application developer.

a)Driver Interface

b)DriverManagerclass

**c)JDBC-URL**

d)Connection interface

6. The \_\_\_\_\_ interface represents a session.

a)statement interface

**b)Connection interface**

c)ResultSet interface

d)none

7 .The name “Servlets” comes from \_\_\_\_\_.

a)Frame

b)JDBC

**c)Applets**

d)none

8. To read cookies \_\_\_\_\_ method is used.

a) request()

**b)request.getCookies()**

c)getCookies()

d)get.Cookies()

9. To send cookie,a servlet create cookie to the response header with method \_\_\_\_\_.

a)request.getCookies()

b)response.cookie()

**c)response.addCookie(cookie)**

d)response.addcookie

10. Which of the following is correct about JDBC?

a. JDBC architecture decouples an abstraction from its implementation.

b. JDBC follows a bridge design pattern.

**C - Both of the above.**

D - None of the above.

## Unit –IV

1. \_\_\_\_\_ are small bits of textual information that a Web server sends to a browser.

- a) java bean            b) JSP            c) AJAX            d) **cookies**

2. Cookies are good alternative for \_\_\_\_\_

- a) customize            b) **low-security sites**            c) high-security sites            d) security

3. A cookie is created by \_\_\_\_\_ strings.

- a)3            b) 4            c) **2**            d) 6

4. \_\_\_\_\_ method is used to instruct the browser to return them to other hosts within the same domain.

- a) getComment/setComment            b) getPath/setPath            c) getSecure/setSecure

d) **getDomain/setDomain**

5. \_\_\_\_\_ method is used for the boolean value indicating whether the cookie should only be sent over encrypted connections.

- a) getPath/setPath            b) **getSecure/setSecure**            c) getVersion/setVersion

d) getValue/setValue

6. A servlet uses \_\_\_\_\_ method of HttpServletRequest to retrieve cookies as request.

- a) **getCookies()**            b) setCookies()            c) addCookie()            d) addName()

7. The two basic units of execution in concurrent programming are \_\_\_\_\_

- a) Web servers, threads            b) Web servers, processes            c) **threads, processes**  
d) processes, interface

8. JSP stands for \_\_\_\_\_

- a) **Java Servlet Pages**            b) Java Server Pages            c) Java Server Point            d)  
Java Servlet Point

9. The \_\_\_\_\_ is created by using special JSP tags.

- a) Business logic      b) Dynamic elements      c) Presentation      d) **User interface**

10. Scriptlet is similar to the expression without \_\_\_\_\_ sign.

- a) \*      b) =      c) #      d) -

### Unit –V

1) What is the help of <c: set > tag?

**a) set the value of a JSP scoped variable.** b) set the value of Jsp global variables. c) sets the values of Jsp local variable. d) none of these.

2) The EL contains a standard set of core tag libraries to support flow control structures such as \_\_\_\_\_ and \_\_\_\_\_

a) conditional branching and Expressions. **b) Conditional branching and iteration.** c) branching and iteration. d) none of these.

3) What is the use of <c: transaction> tag?

a) transaction on group of data. b) transaction on group of bits. c) transaction on group of elements. **d) transaction on group of database.**

4) RPC invocation based on \_\_\_\_\_ protocol

a) FTP. b) HTTP. **c) SOAP.** d) MTP.

5) What is the use of parse tag.

a) **parse a xml document.** b) parse a xml tags. c) parse the xml libraries. d) none of these.

6) What are the features of Ajax?

a) Live data binding b) Client-side template rendering c) Declarative instantiation of client components **d) All of the above.**

7) What is AJAX?

**a) is a program** b) is a country name c) is a football club name d) All of these

8) Which of the following are the features of an HTTP request?

a) URL being requested b) Optional request body c) Optional set of request headers **d) All of the mentioned**

9) AJAX based on \_\_\_\_\_

a) JavaScript and XML **b) VBScript and XML** c) JavaScript and Java d) JavaScript and HTTP requests

10) What are the advantages of Ajax?

a) Bandwidth utilization b) More interactive c) Speedier retrieval of data **d) All of these**

## **17UIT413 – ADVANCED JAVA**

### **UNIT I**

1. What are the two components used in the split pane?
2. Which component is used for the displaying action?
3. Expand JFC?
4. Define JTable
5. What are the light weight containers?
6. Which component is used for the selected or deselected?
7. What is the use of the JSplitPane?
8. . Which component is providing a simple mechanism for the user to choose a file?
9. Define Light Weight Component.
10. Define Heavy Weight Component.

### **UNIT II**

1. What is a Java Bean?
2. What is the description for C in JAR Command Options?
3. What is the description for 'Beans' class in the Java Bean API?
4. Which supports dynamic event listener creation?
5. Which provides information about a Bean?
6. What is the description for m in JAR Command Options?
7. What is JAR Utility?
8. What is the description for M in JAR Command Options?
9. What is the general syntax to create JAR file.
10. Define Introspection.

### **UNIT III**

- 1) What is jdbc architecture?
- 2) Write about the work of driver manager.
- 3) Name the types of JDBC interfaces.
- 4) Write any four reading and specifying Cookie Attributes.
- 5) What is the two methods used in sending Cookie in servlet?
- 6) List out the high level Concurrency Objects.
- 7) What is JDBC driver?
- 8) What is servlet?
- 9) Expand CGI.
- 10) List any 2 advantages of JSP.

### **UNIT IV**

1. Recall the concept of cookies.
2. Which are the strings used to create a cookie.
3. Explain the usage of getMaxAge/setMaxAge method?
4. Which method is used to set the age for cookie?
5. What are the two basic units of execution in concurrent programming?
6. Expand JSP.
7. List out any two advantages of JSP.
8. Define Scriptlet.

9. List out the phases of JSP life cycle.
10. Define Expression Language.
19. Which method is used to remove the cookie?
20. What is the use of session object?

## **UNIT V**

- 1) Explain the benefits of custom tags
- 2) Discuss the use of <c: out> tag.
- 3) Discuss the use of <C:FORTOKENS> tag.
- 4) Discuss the three issues of webservices.
- 5) Expand RIA.
- 6) Discuss Form value check.
- 7) Discuss rapid user-user communication.
- 8) Discuss the advantages of Ajax?
- 9 Explain all the technologies used by Ajax?
- 10) Expand JSTL

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### **UNIT I**

1. Examine the structure of a swing application?
2. Examine the swing text component?
3. Compare the AWT and SWING.
4. Classify the heavy weight containers?
5. Compare Box layout with Grid layout.

### **UNIT II**

1. List the Advantages of Java Beans.
2. Inspect the capabilities of Application Builder Tools.
3. List the steps to create a bean.
7. Examine the steps included to create a Molecule Bean.
5. Adopt the concept of using the Bean Developer Kit.

### **UNIT III**

1. Describe about JDBC architecture with its diagram.
2. Explain about JDBC-ODBC bridge.
3. Classify the types of JDBC drivers
4. Write a java program to make a Connection between JDBC-ODBC bridge driver.
5. List out the steps for querying the Database with JDBC.

### **UNIT IV**

1. Classify the types of reading and specifying cookie attributes.

2. Examine concurrency in web services.
3. Classify the advantages of JSP.
4. Dissect the life cycle of JSP.
5. .Analyze the working with cookie in JSP.

## **UNIT V**

- 1) Describe EL support tags.
- 2) Examine EL URL- related actions.
- 3) Examine XML flow control tags.
- 4) Categories the features of RIA.
- 5) Examine the working and benefits of Ajax.

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### **UNIT I**

1. Analyze the basic swing components?
2. Classify the space saving lightweight containers?
3. Analyze the topic of the advanced components.
4. Analyze the topic of new layout managers?
5. Discover the topics of
  - i) Swing text components
  - ii) Advanced text components.

### **UNIT II**

1. Create and configure an instance of a Molecule and OurButton Bean.
2. Assess the steps needed to develop a Simple Bean using the BDk.
3. Develop a Simple Bean program using BDk.
4. Develop a Button Bean program using BDk.
5. (A) Assess the concept of using the Bean Developer Kit.  
(B) Create the JAR File and List the possible options in JAR Utility.

### **UNIT III**

1. Explain in detail about JDBC interfaces and Classes.
2. Write a program for Querying and Updating Database tables.

- a) How do you pass a parameter to a statement
- b) Explain the JDBC architecture with its diagram.
4. Write the function of servlet to handle the Get Request with program.
5. Explain about how to use and send cookie in servlet with example.

#### **UNIT IV**

1. Explain about cookies.
2. Evaluate high level concurrency objects.
3. List out JSP implicit objects.
4. Justify the life cycle of JSP.
5. Explain about JSP directives.

#### **UNIT V**

- 1) Classify the EL support.
- 2) Asses the database support
- 3) Explain the xml support
- 4) Asses about AJAX.
- 5) Classify Data exchange in AJAX.