Uka Tarsadia University (Diwaliba Polytechnic)
Diploma in Information Technology
Objective Type Questions(Advanced Java Programming-020070603)
Unit 3 Swing

1. What is a part of Java Foundation Classes (JFC)?
a) Swing
b) AWT
c) JDBC
d) JSP

2. Components of Swing are platform independent as compared to AWT components.
    True
    False

3. JFC support more component as compared to AWT classes.
    True
    False

4. JApplet class extends …… class
a) Applet
b) AWT
c) Object
d) Window

5. Which of following Pane supported by JApplet?
 a) ContentPane
 b) GlassPane
 c) RootPane
 d) All of above

6. What is used to create a label that can display text, image or both it?
 a) JLabel
 b) JTextField
 c) JButton
 d) JCheckBox

7. JLabel can be created using which of the following constructor?
 a) JLabel(String S)
 b) JLabel(String S, int Alignment)
 c) JLabel(Icon I)
 d) All of above

8. In Swing Icon can be implemented using which class?
 a) ImageIcon Class
 b) Container Class
 c)   JButton
 d) JCheckBox

9. Which is used to create a single line text filed using which user can enter or edit single line of text?
 a) JTextField
 b) JButton
 c) JCheckBox

d) JComment

10. Which constructor of JTextField is used to create a single line text field with default string associated with it and specifying number of columns for that text field?
a) JTextField(String S)
b) JTextField(String S,int Columns)
c) JTextField(Default Constructor)
d) JTextField(int Column)

11. Which AWT control is used to create a push button?

a) JTextField
b) JButton
c) JCheckBox
d) JComment

12. What is indicated by following pseudo code?
    ImageIcon i = new ImageIcon("photo1.jpg")
a) Resizing image using ImageIcon class
b) Creating image using ImageIcon class
c) Deleting image using ImageIcon class
d) Cropping image using ImageIcon class

13. User can set the state JCheckBox using ------ method.
a) setSelected()
b) getSelected()
c) setDisplay()
d) isSelected()

14. which constructor of JCheckBox Class is used to create a CheckBox by specifying Text as well as Image to be displayed along with checkbox?

a) JCheckBox(String S, Icon I)
b) JCheckBox()
c) JCheckBox(String S)
d) JCheckBox(Icon I)

15. What is the name of the Swing class that is used for frames?
a) Window
b) Frame
c) JFrame
d) SwingFrame

16. Which of following having state either true or false?
a) JTextField
b) JRadioButton
c) JFrame
d) JLabel

17. JRadioButton can be created how many constructor?
a. 5
b. 4
c. 3
d. 6

18. By default, each JRadioButton that is placed on a container works independently

a. True
b. False

19. Which of following is used to create a AWT control which is combination of TextField and drop down list?
   a. JRadioButton
   b. JLabel
   c. JComboBox
   d. JTextField

20. Select correct syntax of constructor to create JComboBox?
   a. JComboBox (Object [] Items);
   b. JComboBox();
       JTextField(Object [] Items);
   c. JTextField(Object [] Items);
       JComboBox();
   d. JComboBox();
       addItem(Object [] Items);

Unit 5 Servlets

1. What is the difference between servlets and applets?

   i. Servlets execute on Server; Applets execute on browser
   ii. Servlets have no GUI; Applet has GUI
   iii. Servlets creates static web pages; Applets creates dynamic web pages
   iv. Servlets can handle only a single request; Applet can handle multiple requests
   a) i, ii, iii are correct
   b) i, ii are correct
   c) i, iii are correct
   d) i, ii, iii, iv are correct

2. Which of the following is true about servlets?
   a) Servlets execute within the address space of web server.
   b) Servlets are platform-independent because they are written in java.
   c) Servlets can use the full functionality of the Java class libraries.
   d) Servlets execute within the address space of web server, platform   independent and uses the functionality of java class libraries.

3. What is javax.servlet.Servlet?

   a) Interface
   b) abstract class
   c) concreate class
   d) None of the above.

4. Which packages represent interfaces and classes for servlet API?
   a. javax.servlet
   b. javax.servlet.http
   c. Both A & B

d. None of the above

5. What is the lifecycle of a servlet?
 	
    a) Servlet class is loaded
    b) Servlet instance is created
    c) init,Service,destroy method is invoked
    d) All mentioned above

6. Sevlet is a special program of java that runs on a _____.
    a) Web server
    b) Container
    c) Web container
    b) None of mention

7. Servlet technology is used to create _____.
    a) web application
    b) desktop application
    c) static application
    d) None of mention

8. Web application made by using servlet is
    a) Secured
    b) Scalable
    c) Robust
    d) All of mention

9. Which one of the following is false about the servlet?
    a) Response time for any request is less.
    b) Servlet are scalable.
    c) Servlet are robust and object oriented.
    d) Servlet are platform dependent.

10. Servlet is _____technology.
    a) Server side
    b) Client side
    c) Platform Depended
    d) None of mention

11. Servlet is more powerful than Applet.
    True
    False

12. What is full form of JSDK.
    a) Java Servlet Development Kit
    b) Java Server Development Kit
    c) Java Server Deployment Kit
    d) Java Servlet Deployment Kit

13. What JKDK include?
    a) jsdk.jar file
    b) Java ServletRunner
    c) Several Java Servlet examples
    d) All of the mention

14. JSDK contains
   a) Classes
   b) Interfaces
   c) Classes and interfaces
   d) Components

15. Which of the following maintain life cycle of a servlet?
   a) Web container
   b) Web manager
   c) Web server
   d) Web client

16. Which of the following is not state of a servlet life cycle?
   a) new
   b) born
   c) ready
   d) end

17. Servlet is in new state if_____
   a) Load servlet class
   b) Create instance of servlet
   c) Call init() method
   d) All of mention

18. Servlet is in ready state than_____.
   a) It perform all task
   b) Call init() method
   c) Create instance of servlet
   d) Load servlet class

19. Which one of the following method is called when servlet is in ready state?
   a) service()
   b) destroy()
   c) init()
   d) ready()

20. Which one of the following is package used for servlet methods?
   a) javax.servlet.Servlet
   b) javax.servlet.servlet
   c) java.servlet.Servlet
   d) javax.servlet.Server

Unit 6 Java Server Pages

1. Which tag should be used to pass information from JSP to included JSP?
   a) Using <%jsp:page> tag
   b) Using <%jsp:param> tag
   c) Using <%jsp:import> tag
   d) Using <%jsp:useBean> tag

2. Which one is the correct order of phases in JSP life cycle?
   a) Initialization, Cleanup, Compilation, Execution
   b) Initialization, Compilation, Cleanup, Execution

c) Compilation, Initialization, Execution, Cleanup
d) Cleanup, Compilation, Initialization, Execution

3.	"request" is instance of which one of the following classes?
	a) Request
	b) HttpRequest
	c) HttpServletRequest
	d) ServletRequest
4.	Which is not a directive?
	a) include
	b) page
	c) export
	d) useBean
5.	Can <!–comment–> and <%–comment–%> be used alternatively in JSP?
	a) True
	b) False
6.	. Java code is embedded under which tag in JSP?
	a) Declaration
	b) Scriptlet
	c) Expression
	d) Comment
7.	What is full form of JSP?
	a) Java Server Page
	b) Java Servlet Page
	c) Java Source Page
	d) Java Servlet Pages
8.	What is the correct signature of _jspService() method of HttpJspPage class?
	a) void _jspService(HTTPRequest request, HTTPResponse response)
	b) void _jspService(HTTPRequest request, HTTPResponse response) throws ServletException, IOException
	c) void _jspService()
	d) void _jspService() throws ServletException, IOException
9.	JSP includes a mechanism for defining …………………………. or custom tags.
	a) static attributes
	b) local attributes
	c) dynamic attributes
	d) global attributes
	For What JSP is used?
	a) Server-side dynamic content generation
	b) Client Side language for validation
	c) Client side static content generation
	d) Client side dynamic content generation
10.	Which JSP Action tags is used to include the content of another resource, it may be JSP, html or Servlet?

a) <jsp:include> b) <jsp:forward> c) <jsp:plugin> d) <jsp:papam>

11. . A JSP page consists of which tags?
  a) HTML tags
  b) JSP tages
  c) Both HTML and JSP tags
  d) None of above

12. Is JSP technology extensible?   a) True b) False.

13. Which of the following is not a directive in JSP?
  a) page directive
  b) include directive
  c) taglib directive
  d) command directive

14. What are the advantages of JSP?
  a) platform independent
  b) good performance and scalability
  c) easily maintained
  d) All of the above

15. Compilation process of JSP page involves
  JSP પેજની કેમ્પઈલેશનન પ્રક્રિયામાં સામેલ છે:
  a) Parsing of JSP
  b) Turning JSP into servlet
  c) Compiling the servlet
  d) All of the above

16. Which syntax is used to defines the programming language (underlying language) being used in the JSP?
  a) <%@page language="value"%>
  b) <!@page language="value"!>
  c) <@page language="value">
  d) None of the above

17. Which one of the following is a syntax to create a simple JSP? A.
  a) <html><body><% out.print(2*5); %></body></html>
  b) <html><body><! out.print(2*5); !></body></html>
  c) <html><body><% @ out.print(2*5); %></body></html>
  d) None of the above

18. JSP Scriptlet tag can declare only variables not methods. a) True b) False
19. Which one of the not JSP life cycle method? a) jspInit() b) _jspService() c) jspDestroy() d) jspdestroy()

20. Which action tag is used to embed applet into the jsp file.
a) jsp:plugin
b) jsp:action
c) jsp:embed
d) None of the mention