**Unit Test 5 topic:Servlets**

**SET 1 ( level : basic)**

**All questions carry 1 mark if not mentioned. Max Marks:25** Time Duration: 90 minutes

1 Which of the following are not valid elements of web.xml.

A init-param

B servlet

C servlet-mapping

D none of the above

2 Which of these are classes and which are interfaces. 3 marks

A ServletContext

B GenericServlet

C HttpServlet

D HttpSession

E HttpRequest

F RequestDispatcher

3

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ .getInitParameter(“email”);

Which of the following are valid for the blank.

A getContext()

B getApplication()

C getServletConfig()

D getServletContext()

4 Which of the following methods would you use for Session management,if the cookies are disabled by the client.

A Enable the cookies from the program

B Url Rewriting

C validate()

D None

5 Which of the following are reasons for session expired.

A calling invalidate()

B session timeout

C session.close()

D all the above

6

Which of the following methods creates a new session,if the session is not present.

A request.getSession()

B request.getSession(true)

C request.getSession(false)

D All the above

7

Which interface defines getSession() method

A ServletRequest

B ServletResponse

C HttpServletRequest

D HttpServletResponse

8

What is the signature of setAttribute().

A setAttribute(String s,Object o)

B setAttribute(Object a,Object b)

C setAttribute(String s,String p)

D setAttribute(Object o,String s)

9

getAttribute() returns a value of type\_\_\_\_\_

10

In which of the folders is web.xml stored during deployment of the web application.

A lib

B WEB-INF

C classes

D ROOT

11

Which of the following are ways of navigating from a html page to a servlet .

A onClick() event

B onChange() event

C SubmitAction

D HyperLink

E onLoad event

12

Which of the following are ways of navigating from a servlet to another servlet with the user’s intervention.

A Request Dispatcher

B by creating a HyperLink in first Servlet

C response.sendRedirect(..)

D All

13

Study the following code:

Form.html

<form action=”S1”> <input type=”text” name=”name”/></form>

Inside Servlet S1.java What should be the statement to print the name entered by the user.

1. response.getWriter(request.getParameter(“name”));
2. response.getWriter().request.getParameter(“name”);
3. PrintWriter out=response.getWriter();

out. print(request.getParameter(“name”));

1. PrintWriter out=response.getWriter();

out. print(request.getInitParameter(“name”));

1. PrintWriter out=response.getWriter();

out. print(request.getAttribute(“name”));

14

What is the tree structure followed while a web application is deployed? 5 marks

15

Write statements for creating and retrieving cookies. 5 marks

**SET2 (level : intermediate) Max Marks:10**

**16** Which of the following statements about web.xml are true. 3 marks.

1. In a web application classes and servlets are mapped in web.xml.
2. web.xml is the first file that is read by the container.
3. <init-param> and <servletcontext-param> are elements to pass parameters
4. web.xml is stored inside WEB-INF .
5. There can be maximum of one web.xml inside an application.
6. Annotations can be used instead of web.xml to map the servlets.

17

Which of the following statements are true about Sessions. 3 marks

A Any web application must have session created and managed.

B Session scoped attributes are thread safe.

C SessionId is stored by the container in form of a cookie.

D Session closes as soon as the browser closes.

E Session closes when application crashes.

18

Write a servlet that keeps count of number of clients who have accessed the servlet, and prints the visitor’s number. Eg: you are the visitor number 10 4 marks

**SET- 3 level : Expert 10 marks**

1. Is a java web application Multithreaded model? If yes what are the different ways of making it single threaded model and also discuss their advantages and disadvantages.

2 I have a simple java class source code in a web application.

Public class HelloClass

{

public void m1(){

System.out.print(“hello World”);}

}

If I have to convert the above class to a servlet and retain the method m1() and print helloWorld on a browser through m1() then what steps I have to take?