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)

2 RVK……

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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

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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

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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

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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”));
4. PrintWriter out=response.getWriter();
   out. print(request.getInitParameter(“name”));

5. PrintWriter out=response.getWriter();
   out. print(request.getAttribute(“name”));

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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.

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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.

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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?