Cs506

Marks

Question No: 1 (Marks: 2) - Please choose one

Which of the following is not a standard method called as part of the JSP life cycle?

- jspInit()
- jspService()
- _jspService()
- jspDestroy()

Question No: 2 (Marks: 2) - Please choose one

When a JSP page is compiled, what is it turned into?

- Applet
- Servlet
- Application
- ► Midlet

Question No: 3 (Marks: 2) - Please choose one

Which of the following is not a correct scope when a JavaBean is used with JSP?

- application
- session
- request
- response

Question No: 4 (Marks: 2) - Please choose one

From which object do you ask for DatabaseMetaData?

- Connection
- ResultSet
- DriverManager

Question No: 5 (Marks: 2) - Please choose one

Which method(s) must a serializable class, implement?

- ▶ It must always implement both readObject and writeObject
- ► It must implement either readObject or writeObject, or both, depending upon the desired behavior
- No Need to implement any methods
- ▶ None of the given option is correct

Question No: 6 (Marks: 10)

Answer these questions in short. (5+5)

Question 1: A programmer wants to use the null layout manager, what could be the most probable reason behind this?

Question 2: Differentiate between layers and tiers.

Question No: 7 (Marks: 10)

You are required to write a "FormReaderServlet" that servlet will read the parameters submitted from the page, whose code is given below,

Your servlet will read the parameters posted and will save them in to a text file "DataFormSite.txt"

Note:

No Fancy HTML is required.

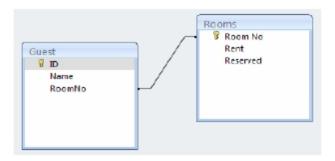
No Need to do any other task, just write the parameter values into the text file.

Question No: 8 (Marks: 10)

Completely Explain the Thread Priority Scheduling used by the JVM?

Question No: 9 (Marks: 15)

You will write a part of the Hotel Reservation System. The database used by this system is shown as below



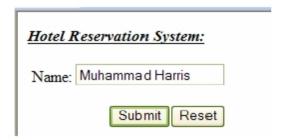


"Rooms" Table Structure (Reserved Column has 0 or 1, 0 for not reserved/Available and 1 room is reserved/Not Available.)



"Guest" Table Structure

First you will write the index.html, which looks like below



Then you will write the "Reservation.jsp", this page will read the Rooms table, if there is no room that has reserved value as 0

(i-e no room available)then you will print the message "Sorry there is no room available"

And if there is some room available, then you will store the Name of the Guest and

number of the empty room in the Guests table. And display the message "Room Has been reserved for you, your room number is the (Room No reserved)".

You will also set the "Reserved" column value for in Rooms table to 1.

You can implement this just using only JSP or JSP and JavaBeans which ever you like convenient.

Simplifications:

Assume the Name of DSN is HotalDSN

No Fancy HTML is required. For index.html just write HTML code for form.

You can use only JSPs or (JSPs and JavaBeans) which ever is convenient and time saving for you.

You can write any intermediate jsp page or servlet or JAVA Beans if you want to

MS Access DataBase is being used.

