

[This question paper contains 4 printed pages.]

Sr. No. of Question Paper : 781

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Your Roll No.....

Unique Paper Code : 234504

Name of the Paper : Internet Technologies (CSHT-513)

Name of the Course : B.Sc. (H) Computer Science

Semester : V

Duration : 3 Hours

Maximum Marks : 75

Instructions for Candidates

1. Write your Roll No. on the top immediately on receipt of this question paper.

Section A

Attempt all questions from this section.

1. (a) Write a Java Script code which will greet user according to the current time. (5)
- (b) (i) How does the use of data types in the context of variables differ in Java Script and Java ? (2)
- (ii) Describe the input tag and write the form elements used in Java script. (3)
- (c) What is the difference between final, finally and finalize ? (5)

P.T.O.

- (d) What does the following method do ? Give an example of how you can call the method.

```
public class MatchTally
{
    public void Score(TeamA that, double
points)
    {
        this.score = this.score - points;
        that.score = that.score + points;
    }
... // Other related MatchTally methods
```

(5)

- (e) What is BeanInfo interface used for ? List the three functions defined by this interface. (2+3)
- (f) Describe the various components of JDBC ? (5)
- (g) What is the purpose of JSP ? Explain the three types of JSP elements. (5)

Section B

Attempt any FOUR questions from this section.

2. (a) (i) Explain alert method of window object in Java script with suitable example. (2)
- (ii) Write the code to set a HTML documents background color to RED using Java Script. (3)
- (b) What is join() method in Java Script ? Explain the use of join() method with the help of an example. (1+4)

3. (a) Write a Java program to merge two sorted list of integers. (5)
- (b) What are the differences (and/or) similarities between abstract class and an interface ? (5)
4. (a) Compare and contrast simple and indexed properties using examples. (5)
- (b) (i) Why is JAVA known as platform independent language ? (1)
- (ii) What is the difference between function overloading and function overriding ? (4)
5. (a) What are the different types of statements in JDBC ? (5)
- (b) Describe the following code : (5)
- ```
Connection
con=DriverManager.getConnection("jdbc:odbc:Myds
n1"," "," ");
String query="Select * from Customers where
CustNumber=?";
PreparedStatement
ps=con.prepareStatement(query);
Ps.setString(1,"123");
Results=ps.executeQuery();
```
6. (a) Illustrate HTTP Request/Response Model with the help of a diagram. (5)
- (b) Describe various components in the following statement. (5)
- ```
<jsp:useBean
id="cartoon"class="com.ora.jsp.beans.motd.Cart
oonBean" />
```

7. (a) How can the standard action element of JSP be used to set the property of a Java Bean ? Illustrate with the help of a suitable example. (5)
- (b) What is the purpose of Custom Tag Library ? Give an example. (5)