**USN:**

**Name:**

**M S RAMAIAH INSTITUTE OF TECHNOLOGY**(Autonomous Institute, affiliated to VTU)

Department of Information Science & Engineering

Term: 23rd Jan – 13th May 2017 Sub: **Java and J2EE** Subject Code: **IS624**

Credits: 4:0:0 Semester: VI Assgn No: 2 Section:C

Course: B.E. Max. Marks: 10 Time Allotted: 30 mins Date: 26/4/2017

1. Write a Java Program that creates two threads . One thread asks the user to enter a number , count the digits of the number and reverse the number. Second thread finds the number of vowels in a given string. (CO4)

2. Discuss the lifecycle of a JSP page. (CO5)

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1. Write a servlet program that accepts patients information and store this data into a patient database. Write java code to search for the patient data from this MySQL database. (CO4)

2. List the different attributes of the page directive with their purpose. (CO5)

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1. Write a java program to create 2 threads. One thread generates prime numbers within a given range and another thread maintains a list of facts and displays those facts . (CO4)

2. List any 3 scripting elements and their usage.(CO5)

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1. Write a Servlet that allows the user to enter ticket booking. Enter the details into a ticket booked database. Search for a given entry in the database if present display “ Booked Tickets”. (CO4)

2. Indicate the role of the include directive with an example.(CO5)

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1. Create a jsp file that allows the user to enter the starting and destination location. On the click of the submit button check the starting and destination values. If not same, then forward to the train\_details.jsp to display the list of other trains running from source station to destination station. Else print a message indicating “Incorrect Details”. (CO5)

2. Draw a diagram to show the lifecycle of a servlet. (CO4)

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1. Create a main.jsp (included file) which fetches the name, account number and amount to be withdrawn as parameters from included file bankdetails.jsp. Assume a balance amount of Rs 2500/-. Display appropriate message to indicate whether the person can withdraw the amount or not. (CO5)

2. Discuss any 4 methods used in multithreading. (CO4)