**USN:**

**Name:**

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

Department of Information Science & Engineering

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

Credits: 4:0:0 Semester: VI Assgn No: 1 Section: A,B,C

Course: B.E. Max. Marks: 10 Time Allotted: 30 mins Date: 7/4/2017

1. Creation of GUI using swings is better than AWT. Justify.

2. Write a Java program to remove duplicate elements from an arraylist without using collections (without using set).

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1. How to convert a string array to arraylist? Give example.

2. Write a java program using swing to read student information (use combobox, checkbox is necessary). Place the details into a collection.

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#### 1. What are the classes implementing List interface?

#### 2. Write a java program using swings to accept customer id, customer name, customer address, customer credit points and submit button. Compare the customer id with id’s in a collection (HashMap) . If not present add the id and name into the collection.

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#### 1. What is difference between Set and List in Java?

#### 2. Write a swing program to accept student details(name, USN, Address, number of credits completed(radiobuttons <100 and =100)) . Write a code to allow the user to accept the credits completed through a dialog box and select the appropriate radio button accordingly. (Example: if the user entered 55 in the dialog box then select the <100 radiobutton)

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#### 1. Why Map interface doesn’t extend Collection interface?

#### 2. Write a java program using Swings to accept tax information( name, id, tax paid(include combo), savings(check boxes- Insurance policy, House loan, child education, PPF or shares)) and display the tax information as an appropriate message on the dialog box .

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1. What is difference between array & arraylist?

2. Write a java program using Swings to accept customer details(id, name, product to be purchased) through dialog boxes . Also use an option dialog box to allow the customer to have a choice on the quality of the product. Display the data obtained from the dialog boxes onto appropriate swing components.