

Roll No.

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

ANNA UNIVERSITY, CHENNAI-25.

VI Semester

CS6308- JAVA PROGRAMMING LAB TEST

Date:26.04.22

Time: 1 hr

Max.Marks:25

1) Create a class called employee with the following data members (15)

Empno integer- it should be generated without using inbuilt function.

Name string

Designation string

Dateofjoining DATE

Salary double.

Your class should have default constructor, constructor with arguments

Write member functions for the following

Get – To get details of employees

Disp- To display the details of employees

Search- Search for employee name with more than one occurrence.

Seniorperson- Returns the employee details who have more experience.

Write a test program named EmpTest and Create array of employee objects in it and demonstrates class employee's capabilities

2) Define the MyRectangle2D class that contains: (10)

- Two double data fields named x and y that specify the center of the rectangle with get and set methods. (Assume that the rectangle sides are parallel to x or y- axes.)
- The data fields width and height with get and set methods.
- A no-arg constructor that creates a default rectangle with (0, 0) for (x, y) and 1 for both width and height.
- A constructor that creates a rectangle with the specified x, y, width, and height.
- A method getArea() that returns the area of the rectangle.

Write a test program named RectTest to demonstrates class MyRectangle2D capabilities.