PARUL UNIVERSITY
FACULTY OF IT & COMPUTER SCIENCE
Parul Institute of Computer Application
BCA/IMCA2017–18Mid Semester Examination- practical

Semester:4   **Date: 26/03/2018**
Subject Code: 05101251/05301251   **Time: 10:00 to 12:00**
Subject Name:Core Java   **Total Marks: 20**

Q.1 Journal   **[5] Marks**

Q.2   **[15] Marks**

SET A

Create Rectangle class should have two data fields-width and height of int types. The class should have display()method, to print the width and height of the rectangle separated by space. The RectangleArea class is derived from Rectangle class, The class should have read_input() method, to read the values of width and height of the rectangle. The RectangleArea class should also have Area method to print the area (width*height) of the rectangle.
Input user defined value for height and width.

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Q.1 Journal   **[5] Marks**

Q.2   **[15] Marks**

SET B

create package p1 with class employee with arributeemployeeid,name and department create package p2 which import package p1 and having class TempEmployee which inherits class Employee with attribute salary,no of days.Create appropriate constructor and methods to assign and display value of employeeclass.using object of ofTempEmployee display values of both class.

Seat No:_____   Enrollment No:_____

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Semester:4   **Date: 26/03/2018**
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Subject Name:Core Java   **Total Marks: 20**

Q.1 Journal   **[5] Marks**

Q.2   **[15] Marks**

SET C

Describe abstract class called Shape which has three subclasses say Triangle, Rectangle, Circle. Define one method area()in the abstract class and override this area() in these three subclasses to calculate for specific object i.e. area() of Triangle subclass should calculate area of triangle etc. Same for Rectangle and Circle

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SET D

Create class calculator with overloaded Addition to display addition and Subtraction of Two Integers, Two float values and Two String values.use appropriate method of string class.