SRI RAMACHANDRA
INSTITUTE OF HIGHER EDUCATION AND RESEARCH
(Category - I Deemed to be University) Porur, Chennai
SRI RAMACHANDRA ENGINEERING AND TECHNOLOGY

CSE 280 ADVANCE JAVA

STUDENT WORK BOOK

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Quarter	:	Q6
Department	:	B.Tech CSE (AI &ML)
Faculty Name	:	Prof. Ashok Kumar
Academic Year	:	2020-2021

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Question: 1

Find the smallest of three numbers

Program:

```html
<!DOCTYPE HTML>

<html lang = "en">

    <head>

            <title>Document</title>

    </head>

    <body>

        <%

                int num1, num2, num3, result, temp;

                num1 = 60;

                num2 = 45;

                num3 = 72;

                 temp = num1 < num2 ? num1:num2;

                result = num3 < temp ? num3:temp;

                out.println("Smallest Number is: "+result);

        %>

    </body>

</html>
```

Output: Smallest Number is 45

Question: 2

Calculate the speed when time and distance are given.

Program:

```
<!DOCTYPE html>

<html lang="en">

        <head>

                <title>Document</title>

        </head>

        <body>

                <%

                        float time = 10;

                        int distance = 100;

                        float speed = (float)distance / time;

                        out.println("Speed for the given distance and time: " +speed);

                %>

        </body>

</html>
```

Output: Speed for the given distance and time : 10.0

Question: 3

Find the area of square.

Program:

```
<!DOCTYPE html>

<html lang="en">

        <head>

                <title>Document</title>

        </head>

        <body>

                <%

                        double side = 20.0;

                        double area = side*side;

                        out.println("Area of Square is: "+area);

                %>

        </body>

</html>
```

Output: Area of Square is: 400.0

Question: 4

Find the factorial of a number.

Program:

```html
<!DOCTYPE html>

<html lang="en">

        <head>

                <title>Document</title>

        </head>

        <body>

                <%

                        int number = 5;

                        long fact = 1;

                        for(int i = 1; i <= number; i++){

                                fact = fact * i;

                        }

                        out.println("Factorial of "+number+" is: "+fact);

                %>

        </body>

</html>
```

Output: Factorial of 5 is: 120

Question : 5

Find the square root of a number.

Program:

```html
<!DOCTYPE html>

<html lang="en">

        <head>

                <title>Document</title>

        </head>

        <body>

                <%

                        double a = 100;

                        out.println("Square root of a given number : "+Math.sqrt(a));

                %>

        </body>

</html>
```

Output: Square root of a given number : 10.0