



**DIPLOMA IN COMMUNICATION AND COMPUTER
NETWORKING**

CENTRALIZED QUESTION BANK

1052234340 - JAVA PROGRAMMING

**DIRECTORATE OF TECHNICAL
EDUCATION GOVERNMENT OF
TAMILNADU**

DIPLOMA END SEMESTER / YEAR EXAMINATION – 2025

Course: Communication and Computer Networking

Subject : Java Programming

QP Code :1052234340

Time : 3 Hours

Date :

Session:

Max Marks:100

Answer the following questions

1. a) Write a Java program to read the temperature in Celsius and convert into Fahrenheit.
 b) Write a Java program to collect student details using constructors.
2. a) Write a Java program to read 2 integers and find the largest number using conditional operator.
 b) Write a Java program to calculate area of rectangle, triangle and square using method overloading
3. a) Write a Java program to implement command line arguments.
 b) Write a Java program to create a class called Shape with methods called get Perimeter() and get Area(). Create a subclass called Circle that overrides the get Perimeter() and get Area() methods to calculate the area and perimeter of a circle.
4. a) Write a Java program to find the sum and average of your tenth standard marks.
 b) Write a Java program to create an interface Shape with the get Area() method. Create three classes Rectangle, Circle, and Triangle that implement the Shape interface. Implement the get Area() method for each of the three classes
5. a) Write a Java Program to sort 10 student names in alphabetical order using bubble sort
 b) Write a Java program to create a panel with three buttons, labeled Red, Blue and Yellow, so that clicking each button results in the back ground color changing to the appropriate color
6. a) Write a Java program to read the temperature in Celsius and convert it to Fahrenheit.
 b) Write a Java program to calculate the area of a rectangle, triangle, and square using method overloading.
7. a) Write a Java program to read the temperature in Celsius and convert it to Fahrenheit.
 b) Write a Java program to create a class called Shape with methods called get Perimeter() and get Area(). Create a subclass called Circle that overrides the get Perimeter() and get Area() methods to calculate the area and perimeter of a circle.
8. a) Write a Java program to read the temperature in Celsius and convert it to Fahrenheit.
 b) Write a Java program to create an interface Shape with the get Area() method. Create three classes Rectangle, Circle, and Triangle that implement the Shape interface. Implement the get Area() method for each of the three classes.
9. a) Write a Java program to read the temperature in Celsius and convert it to Fahrenheit.

- b) Write a Java program to create a panel with three buttons, labeled Red, Blue, and Yellow, so that clicking each button results in the background color changing to the appropriate color.
- 10 a) Write a Java program to read 2 integers and find the largest number using a conditional operator.
- b) Write a Java program to collect student details using constructors.
- 11 a) Write a Java program to read 2 integers and find the largest number using a conditional operator.
- b) Write a Java program to create a class called Shape with methods called get Perimeter() and get Area(). Create a subclass called Circle that overrides the get Perimeter() and get Area() methods to calculate the area and perimeter of a circle.
- 12 a) Write a Java program to read 2 integers and find the largest number using a conditional operator.
- b) Write a Java program to create an interface Shape with the get Area() method. Create three classes Rectangle, Circle, and Triangle that implement the Shape interface. Implement the get Area() method for each of the three classes.
- 13 a) Write a Java program to read 2 integers and find the largest number using a conditional operator.
- b) Write a Java program to create a panel with three buttons, labeled Red, Blue, and Yellow, so that clicking each button results in the background color changing to the appropriate color.
- 14 a) Write a Java program to implement command line arguments.
- b) Write a Java program to collect student details using constructors.
- 15 a) Write a Java program to implement command line arguments.
- b) Write a Java program to calculate the area of a rectangle, triangle, and square using method overloading.
- 16 a) Write a Java program to implement command line arguments.
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- 17 a) Write a Java program to implement command line arguments.
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- 18 a) Write a Java program to find the sum and average of your tenth standard marks.
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- 19 a) Write a Java program to find the sum and average of your tenth standard marks.

- b) Write a Java program to calculate the area of a rectangle, triangle, and square using method overloading.
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- 21 a) Write a Java program to find the sum and average of your tenth standard marks.
- b) Write a Java program to create a panel with three buttons, labeled Red, Blue, and Yellow, so that clicking each button results in the background color changing to the appropriate color.
- 22 a) Write a Java Program to sort 10 student names in alphabetical order using bubble sort.
- b) Write a Java program to collect student details using constructors.
- 23 a) Write a Java Program to sort 10 student names in alphabetical order using bubble sort.
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- 24 a) Write a Java Program to sort 10 student names in alphabetical order using bubble sort.
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- 25 a) Write a Java Program to sort 10 student names in alphabetical order using bubble sort.
- b) Write a Java program to create an interface Shape with the get Area() method. Create three classes Rectangle, Circle, and Triangle that implement the Shape interface. Implement the get Area() method for each of the three classes.

Allocation of Marks

Sl.No	Description	Marks
1	Aim(05) Program from Part A(30)	35
2	Aim(05) Program from Part B(30)	35
3	Executing anyone program(Part A or Part B)	15
4	Output	10
5	Viva Voce	05
Total		100