

**MCA-16 Java Programming**

**SET : 1**

**Section-A**

(Very Short Answer Questions)

1. (i) Write command to compile JAVA Program.
- (ii) What is a .jar file.
- (iii) Write procedure to set System Variables.
- (iv) What are Instance Variables?
- (v) What is copy constructor?
- (vi) What is final method?
- (vii) What is Vector?
- (viii) What is the use of interface?
- (ix) What is Instantiation Exception?
- (x) What is event in java program?

**Section-B**

(Short Answer Questions)

2. Describe three basic features of JAVA Language.
3. What is Java applet? What is its function?
4. Explain Java Virtual Machine.
5. What are rules for naming Java variables?
6. Write a Java program to print the following output using for loop:  
1  
2 2  
3 3 3  
4 4 4 4  
5 5 5 5 5
7. What is recursive method? Explain with examples.
8. Explain Multi-Level Inheritance with example.
9. Write a program to convert a sentence into upper case.

For ex- this is a java program to

**THIS IS A JAVA PROGRAM**

**Section-C**  
(Long Answer Questions)

10. Write a program to draw a circle using applet.

11. Design a class to represent a bank account. Include the following data members: *Account number, Depositor name, Account type, Balance amount in the account* .

Methods:

To assign initial value

To deposit an amount

To withdraw an amount after checking balance

To display depositor name and balance

12. Explain exception handling with an example.

13. Explain overloading of constructors with an example?

**MCA-16 Java Programming**

**SET : 2**

**Section-A**

(Very Short Answer Questions)

1. (i) What program usually runs a Java applet ?
- (ii) What is a Java virtual machine?
- (iii) What is Constants?
- (iv) What are the rules for naming a Java variables?
- (v) What is copy constructor?
- (vi) What is single inheritance?
- (vii) What is Constructors?
- (viii) What is applet?
- (ix) What is Event Handling?
- (x) AWT stands for what?

**Section-B**

(Short Answer Questions)

2. Write a program to Swap 2 Given Number.
3. Write a program that computes and displays the factorial for any given number n.?
4. Write down the four basic steps to JDBC.
5. Briefly discuss about three Layout manager?
6. Write a Java program to print the following output using for loop:  
\*  
\* \*  
\* \* \*  
\* \* \*  
\* \* \* \* \*
7. How does a String class differ from a StringBuffer class?
8. To display the elements of a two dimensional matrix in triangular form?

9 To find the smallest and largest number from a given list of number.

**Section-C**

(Long Answer Questions)

10. Write a program to draw a Rectangle using applet.

11. Write a Java program to display the multiplication table of a particular number using for loop.

12. Discuss 2-tier and 3-tier client server model.

13. Write and run a Java program that prompt the user for his or her last name and first name separately and then prints the name like this :

Enter your last name : Gupta

Enter your first name : Sunil

Hello, Sunil Gupta ?