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**4th Sem / Branch : Computer Engg  
Subject:- Object Oriented Programming using JAVA**

Time : 3Hrs.

M.M. : 100

**SECTION-A**

**Note:** Multiple choice questions. All questions are compulsory  
(10x1=10)

Q.1 JDK stands for (CO8)

- a) Java development kit
- b) Just development kit
- c) Java develop knowledge
- d) Java debugger kit

Q.2 \_\_\_\_\_ is used to find and fix bugs in the Java Programs (CO8)

- a) JVM
- b) JRE
- c) JDB
- d) JDK

Q.3 What is the output of 10/3 (CO2)

- a) 3
- b) 10
- c) 1
- d) 0

Q.4 Decrement operator ,--, decreases value of variable by what number (CO2)

- a) 2
- b) 3
- c) 0
- d) 1

Q.5 Which of the following is not Java keyword (CO3)

- a) if
- b) switch
- c) then
- d) class

Q.6 Every statement in JAVA language should end with a? (CO2)

- a) Dot
- b) Comma
- c) Semicolon
- d) Colon

Q.7 ++ is a\_\_\_\_\_operator (CO3)

- a) Arithmetic
- b) Unary
- c) Relational
- d) Logical

Q.8 In which year JAVA was developed (CO2)

- a) 1972
- b) 1986
- c) 1995
- d) 2001

Q.9 What does the expression float a=15/0 return (CO3)

- a) 0
- b) 1
- c) Infinity
- d) not a number

(1)

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(2)

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- Q.10 What is the extension of JAVA file: (CO8)
- a) .js
  - b) .java
  - c) .txt
  - d) .class

### **SECTION-B**

**Note:** Objective type questions. All questions are compulsory. (10x1=10)

- Q.11 Who developed JAVA (CO2)
- Q.12 What is the purpose of Break statement (CO3)
- Q.13 Expand OOPS (CO1)
- Q.14 Define Constant (CO2)
- Q.15 Define Compiler (CO3)
- Q.16 Write the syntax of for Loop (CO2)
- Q.17 Define Exception (CO9)
- Q.18 Define object (CO4)
- Q.19 Define Dot (CO2)
- Q.20 Define Polymorphism (CO7)

### **SECTION-C**

**Note:** Short answer type questions. Attempt any twelve questions out of fifteen questions. (12x5=60)

- Q.21 Define Exception. How it is handled in Java (CO9)
- Q.22 Difference between while & do-while loop (CO2)

- Q.23 Explain features of JAVA (CO2)
- Q.24 Explain if statement with example (CO3)
- Q.25 What is method overloading. How it is implemented in JAVA (CO5)
- Q.26 Explain single Inheritance (CO6)
- Q.27 How comments are written in JAVA (CO3)
- Q.28 Difference between class & object (CO4)
- Q.29 Define function. Explain its types (CO5)
- Q.30 Explain for Loop with example (CO3)
- Q.31 Write a program in JAVA to print factorial of a number (CO4)
- Q.32 Difference between POP & OOPS (CO1)
- Q.33 Define constructor . Explain with example (CO5)
- Q.34 Explain various data types available in JAVA (CO3)
- Q.35 Explain structure of JAVA program. (CO2)

### **SECTION-D**

**Note:** Long answer type questions. Attempt any two questions out of three questions. (2x10=20)

- Q.36 Explain various concepts of OOP (CO1)
- Q.37 Explain various operators available in JAVA (CO2)
- Q.38 Explain various types of array with example. (CO4)