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**4th Sem / Branch : Computer Engineering  
Sub.: Object Oriented Programming Using JAVA**

Time : 3Hrs. M.M. : 100

**SECTION-A**

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

Q.1 Which of these keywords is used to make a class?

- a) Class
- b) Struct
- c) Int
- d) None of the mentioned

Q.2 Which statement is true about Java?

- a) Java is a sequence dependent programming language
- b) Java is a code dependent programming language
- c) Java is a platform dependent programming language
- d) Java is a platform independent programming language

Q.3 Which of these keywords is not a part of exception handling?

- a) Try
- b) Finally
- c) Thrown
- d) Catch

Q.4 JDK stands for \_\_\_\_\_.

- a) Java development kit
- b) Java deployment kit
- c) Java Script deployment kit
- d) None of these

Q.5 JRE stands for \_\_\_\_\_.

- a) Java run ecosystem
- b) JDK runtime Environment
- c) Java runtime environment
- d) None of these

Q.6 What makes the Java platform independent?

- a) Advanced programming language
- b) It uses bytecode for execution
- c) Class compilation
- d) All of these

Q.7 Multiline comment is created using \_\_\_\_\_.

- a) //
- b) /\*\*/
- c) <!---->
- d) All of these

Q.8 Array in java is \_\_\_\_\_.

- a) Collection of similar elements
- b) Collection of element of different types
- c) The data type of consisting of characters
- d) None of these

Q.9 What is garbage collection in Java?

- a) Method of manage memory in Java
- b) Create new garbage values
- c) Delete all values
- d) All of these

(1)

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(2)

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Q.10 Encapsulation is \_\_\_\_\_.

- a) Wrapping up of data and related functions into a single entity.
- b) Creating special methods
- c) Creating special data structure
- d) All of these

### **SECTION-B**

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

Q.11 Write two keywords used in exception handling of Java.

Q.12 Java was developed in year \_\_\_\_\_.

Q.13 Methods having same name as of class are known as \_\_\_\_\_.

Q.14 Define byte code in Java.

Q.15 JVM is called as \_\_\_\_\_.

Q.16 Hot java is a \_\_\_\_\_.

Q.17 Extension of Java program is \_\_\_\_\_.

Q.18 Interfaces are used for \_\_\_\_\_.

Q.19 Write keyword used for creating threads in Java.

Q.20 Write one difference of Java and C++.

### **SECTION-C**

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

Q.21 Write structure of a Java program.

Q.22 Write program of addition of two numbers by entering values at run time.

Q.23 Write any program showing inheritance in Java.

Q.24 Differentiate between private and public access specifier.

Q.25 Write procedure to execute first java program.

Q.26 Explain use of inheritance in Java.

Q.27 Explain polymorphism in Java and its type.

Q.28 Explain five data types used in Java programming.

Q.29 Why interfaces are used in Java.

Q.30 Explain constructor overloading in Java.

Q.31 Write names of different type of packages available in Java.

Q.32 Explain concept of exception handling.

Q.33 Write program of Java using while loop.

Q.34 What is abstract class?

Q.35 Write five features of Java?

### **SECTION-D**

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

Q.36 Explain inheritance in java and its various types with suitable code.

Q.37 Explain Exception handling and write various types of exceptions available in Java.

Q.38 Explain different type of operators used in Java.