Roll No....................

4th Sem, **Branch :** Compute Engineering

Subject : Object Oriented Programming using Java

Time : 3 Hrs.   **M.M. : 100**

SECTION-A

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

Q.1   Who invented Java Programming?
a)   Guido Van Rossum b)   James Gosling
c)   Dennis Ritchie   d)   Bjarne Stroustrup

Q.2   Which component is used to compile, debug and execute the java programs.
a)   JRE   b)   JIT
c)   JDK   d)   JVM

Q.3   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-independednt programming language.

Q.4   Which of these cannot be used for a variable name in Java?
a)   Identifier & keyword b) Identifier
c)   keyword   d)   None of the mentioned

Q.5   What is the extension of Java Code files?
a)   .js   b)   .txt
c)   .class   d)   .java

Q.6   Which of the following is a super class of every class in Java.
a)   Array list   b)   Abstract class
c)   Object class   d)   String

Q.7   Which of the following is a type of polymorphism in Java Programming?
a)   Multiple polymorphism
b)   Compile time polymorphism
c)   Multilevel polymorphism
d)   Execution time polymorphism

Q.8   Which of these keywords are used for the block to be examined for exceptions?
a)   Check   b)   Throw
c)   Catch   d)   Try

Q.9   Which of these are selection statements in Java?
a)   Break   b)   Continue
c)   for ( )   d)   if ( )

Q.10   Which one of the following is not an access modifier?
a)   Protected   b)   Void
c)   Public   d)   Private

SECTION-B

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

Q.11   Java is an object oriented language. (T/F)

Q.12 Full form of JVM is _____.

Q.13 OOPS language use the concept of Inheritance. (T/F)

Q.14 Define object.

Q.15 Object is an instance of class. (T/F)

Q.16 Java was developed by _____.

Q.17 Name two relational operators used in Java.

Q.18 Define base class.

Q.19 Define default Constructor.

Q.20 Define exception.

SECTION-C

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

Q.21 What is the difference between a base class and derived class?

Q.22 Name any five features of OOPS?

Q.23 Explain various data types supported by Java.

Q.24 Discuss the structure of Java Program.

Q.25 Explain for loop and while loop with example.

Q.26 Define array. How can we declare arrays in Java?

Q.27 Explain the different types of constructers in Java with example.

Q.28 What is the difference between hybrid and hierarchical inheritance?

Q.29 Explain constructor overloading.

Q.30 What is the difference between method overloading and method overriding?

Q.31 What are interfaces, how multiple inheritance can be implemented using interface?

Q.32 Define the keywords : try, throw, catch and finally.

Q.33 differentiate between public and protected variables in Java.

Q.34 How the concept of abstraction is implemented in Java.

Q.35 Why Java is called an object oriented programming language?

SECTION-D

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

Q.36 Define Constructors in Java. Explain its types with example.

Q.37 How exceptions are handled in Java. Explain with an example.

Q.38 Explain various operators used in Java with examples.