Roll No. ....

4th Sem / Comp
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   Who invented Java Programming language?

a)   Guido van Rossum   b)   James Gosling

c)   Dennis Ritchie   d)   Bjarne Stroustrup

Q.2   Which one of the following is not a Java feature?

a)   Object-oriented

b)   Use of pointers

c)   Portable

d)   Dynamic and Extensible

Q.3   What is the extension of java code files?

a)   .js   b)   .txt

c)   .class   d)   .java

Q.4   Which of the following is not an OOPS concept in Java?

a)   Polymorphism   b)   Inheritance

c)   Compilation   d)   Encapsulation

Q.5   What is the extension of compiled java classes?

a)   .txt   b)   .js

c)   .class   d)   .java

Q.6   Which of the following is not an access modifier?

a)   Protected   b)   Void

c)   Public   d)   Private

Q.7   What is the return type of a method that does not return any value?

a)   int   b)   float

c)   void   d)   double

Q.8   Which of the following is a method having same name as that of it's class?

a)   finalize   b)   delete

c)   class   d)   constructor

Q.9   Which method can be defined only once in a program?

a)   main method   b)   finalize method

c)   Static method   d)   private method

Q.10   Which concept of Java is achieved by combining methods and attribute into a class?

a)   Encapsulation   b)   Inheritance

c)   Polymorphism   d)   Abstraction

SECTION-B

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

Q.11 Write two features of java.

Q.12 Java was developed in year_____

Q.13 JVM is_____

Q.14 Java is a case sensitive language (True/False)

Q.15 Encapsulation is binding of_____ and_____

Q.16 Write three keywords of java

Q.17 Keywords are also called_____ words.

Q.18 Computer can understand only one language called _____

Q.19 Define encapsulation.

Q.20 What is data abstraction?

SECTION-C

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

Q.21 Write any five features of Java.

Q.22 Explain threads in java.

Q.23 Write five differences between C++ and java.

Q.24 Explain Java Virtual Machine.

Q.25 Explain five tools used in java programming.

Q.26 Write a short note on history of java programming.

Q.27 Explain polymorphism in java.

Q.28 Explain numeric and string data types used in java programming.

Q.29 Why interfaces are used in java.

Q.30 Explain difference between application program and applets in java.

Q.31 Explain how java is platform independent language.

Q.32 Write a short note on access specifiers in java.

Q.33 Explain different loops used in java in brief.

Q.34 Explain Thread life cycle in brief.

Q.35 How multiple inheritances can be achieved in java?

SECTION-D

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

Q.36 Explain various features of java in detail with drawbacks of other programming language like C and C++

Q.37 Explain various data types used in java with suitable example.

Q.38 Explain inheritance in detail with its types. Is multiple inheritance is possible in java?