

ITM (SLS) Baroda University
School of Computer Science, Engineering & Technology,
Department of Computer Science & Engineering
Academic Year 2024-25

Class : B.Tech Semester-III

Branch : CSE/IT/AIDS/CSN

Subject:- Object Oriented Programming with Java (C2310C1)

Question Bank on Unit-1 & 2

- 1) Discuss the characteristics of Object Oriented Programming.
- 2) Write a note on Java Virtual Machine.
- 3) JVM is platform dependent. Justify.
- 4) How is for-each loop is used in Java? Illustrate with a suitable example.
- 5) Explain Data Types in detail with example.
- 6) Explain any three methods of StringBuffer class with appropriate example.
- 7) Create a two dimensional array. Instantiate and Initialize it.
- 8) What is a Jagged Array in Java ? How is a Jagged array declared and defined in Ja
- 9) Define following. 1) Byte code 2) Java Virtual Machine
- 10) Explain type-conversion in java.
- 11) Compare different types of variables in Java with a suitable example.
- 12) What is the difference between while and do-while statement
- 13) Discuss any three features of Java Programming Language
- 14) Differentiate between constructor and method of a class
- 15) How is “this” keyword used to access the data members in a class? Explain it with a suitable Java program.
- 16) Explain the words “static” and “this” with the help of example

- 17) Declare a class **“Product”** which has private data members such as “id”, “name” and “price”. Write constructors for “Product” class, display() method to display values of the objects.
- 18) Write a program to create circle class with area function to find area of circle
- 19) Enlist types of constructors. Explain any two with example.
- 20) Explain static variable and static method with example
- 21) What are the different access control/specifiers in Java. Explain “default” access control using the Java code.
- 22) How is “this” keyword used to access the data members in a class? Explain it with a suitable Java program.
- 23) Declare a class **“Product”** which has private data members such as “id”, “name” and “price”. Write constructors for “Product” class, display() method to display values of the objects.
- 24) Illustrate the concept of polymorphism/method overloading in Java with a suitable example.
- 25) What is wrapper class? What is the use of wrapper class in Java?
- 26) Define a class Box with length and breadth as its data members. Write down without argument and parameterized constructor for the class.
- 27) Explain the uses of “static “ keyword in Java.
- 28) Write a program to implement the Fibonacci series using for loop control statement.