**Question Bank**

**Module 1**

**Object Oriented Programming using Java (21CIC34)**

**Semester:3rd**

1. Explain the three OOP principles.( CO1)
2. Discuss Java’s buzzwords or salient features of Java.( CO1)
3. Write a note on Java Development Kit (JDK).( CO1)
4. Explain how “compile once and run anywhere” is implemented in java. ( CO1)
5. What is abstraction? Explain with an example.( CO1)
6. What is polymorphism? Explain the two different types of it.( CO1)
7. What is a variable? How do you declare and use it, explain with an example. ( CO1)
8. Explain the different data types available in java. ( CO1)
9. Discuss the ternary (?) operator and short circuit logical Operators.( CO1)
10. Differentiate method overloading and overriding.( CO1)
11. Demonstrate the uses of break and continue statements with an example.( CO1)
12. Differentiate Implicit and explicit type casting with examples. ( CO1)
13. Distinguish while and do-while statements with example.( CO1)
14. Explain the switch statement with example. ( CO1)
15. Discuss if-else-if ladder with an example.( CO1)
16. Write a java program
17. To find the sum of the elements of the array using for each loop.
18. To search an element in the array using for each loop.
19. To check a number is prime or not using for loop.
20. To display Fibonacci Series based on the user input using while loop.
21. [To find factorial using while loop](https://beginnersbook.com/2017/09/java-program-to-display-fibonacci-series-using-loops/)