

QUESTION BANK FOR III SEMESTER

(Term: Sept 2025-Jan 2025)

Object Oriented Programming Laboratory (AIL37)

CIE-2 QB

| Part A | |
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| 1 | Write a java program to keep details of bank customer name and balance in MyPack package, initialize using constructors and define display function. In main class use this package and pass the information (name and balance) and display using display function. |
| 2 | Write a Java Program to find area of rectangle & triangle using Interface. |
| 3 | Write java program to create a package called AdvMath , which has two classes. In main class use this package to display the result as requested by the user. i. To calculate $y = \sin(x)+\cos(x)+\tan(x)$ |
| 4 | Write a Java program to demonstrate exception handling using try, multiple catch block and finally block. Throw an error in try block to handle array out of bound index. |

| | PART – B |
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| 1. | <p>Write a java program to maintain the student details like USN, Dept names, 3 subject grades and SGPA in student package and keep the staff details such as Staffid, StaffName, designation and subjects handled in a staff package. In main class use these two packages details for Staff and Student classes and display the student and staff information as requested by the user.</p> |
| 2 | <p>Write a Java program to create 2 threads to perform the following operations. (Extend Thread class or Runnable Interface)</p> <p>Thread 1 will print all the prime numbers from 1 to 100. Thread will sleep for 0.5 second after printing every number.</p> <p>Thread 2 will print all the numbers from 1 to 100 which are divisible by 2, 4, & 6. Thread will sleep for 0.5 second after printing every number.</p> |
| 3 | <p>Write a program to display "All The Best" in 5 different colors on screen. (Using AWT/Swing)</p> |
| 4 | <p>Write a Java Program that connects to a database using JDBC and demonstrate the Create, insert and display operations.</p> |