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KAMALA INSTITUTE OF TECHNOLOGY & SCIENCE, SINGAPUR
23AM28PC405

II.B. Tech. II. Semester Regular Examinations, June-2025
OBJECT ORIENTED PROGRAMMING THROUGH JAVA
(AIML)

Time: 3 Hours

Max. Marks: 60

Note: Question paper consists of Part-A & Part-B.

i) **Part-A** for 10M, ii) **Part-B** for 50marks

- Part A** is compulsory, consists of 10 sub questions from all units carrying equal marks.
- Part-B** consists of **10 questions** (numbered from 2 to 11) carrying **10marks** each. From each unit there are 2 questions and the students should answer one of them. Hence the student should answer **5 questions** from **Part-B**.

PART-A		(10Marks)	
Q. No	Questions	Marks	BTL
1.a)	Mention the features of OOP.	1	1
1.b)	What is the use of final keyword?	1	1
1.c)	Define: Custom Exception.	1	1
1.d)	What do you mean by Byte Streams?	1	1
1.e)	What is String Tokenizer?	1	2
1.f)	Differentiate Packages and Interfaces.	1	2
1.g)	Compare Process and thread.	1	2
1.h)	List the types of JDBC Drivers.	1	2
1.i)	Differentiate Applets and Applications.	1	2
1.j)	Define: Adapter Class.	1	1
PART-B		(50Marks)	
Q.No	Questions	Marks	BTL
2. a)	Explain about control statement in Java.	5M	2
b)	Illustrate about Constructors and Access Modifiers.	5M	2
OR			
3. a)	Write a Java Code to demonstrate Inheritance.	5M	3
b)	Elaborate the OOP Principles.	5M	2
4. a)	Explain about Exception Handling Clauses.	5M	2
b)	Summarize the Built-in-Exceptions.	5M	2
OR			
5. a)	Outline Filtered Byte Streams with example Java program.	5M	2
b)	Discuss about Random Access File class.	5M	2
6. a)	Write a Java code to demonstrate about Packages.	5M	3
b)	Explain about Utility Classes.	5M	2
OR			
7. a)	Explain about Collection Interfaces.	5M	2
b)	Describe about Comparable and Comparator Interfaces.	5M	3

8. a)	Differences between thread-based multitasking and process-based multitasking.	5M	2
b)	Sketch a Java thread life cycle.	5M	1
OR			
9. a)	Explain in detail about JDBC architecture.	5M	2
b)	Illustrate the basic steps in Developing JDBC Application	5M	2
10.a)	Explain the different types of applets.	5M	2
b)	Discuss about MVC architecture in detail.	5M	2
OR			
11.a)	Explain the applications using AWT and Swing.	5M	2
b)	Elaborate Handling user interface Swing Components.	5M	2

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