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KAMALA INSTITUTE OF TECHNOLOGY & SCIENCE, SINGAPUR
23CS28PC305

II B. Tech. I. Semester Supplementary Examinations, June-2025

OBJECT ORIENTED PROGRAMMING THROUGH JAVA
(CSE)

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)	List the features of Java.	1	1
1.b)	Explain the uses of 'final' keyword.	1	2
1.c)	What are checked and unchecked exceptions.	1	1
1.d)	Define Byte stream.	1	1
1.e)	Define a Package.	1	1
1.f)	What are Collections in Java.	1	1
1.g)	Explain Thread priorities.	1	2
1.h)	List the basic steps in developing JDBC Application.	1	1
1.i)	Illustrate the AWT class hierarchy.	1	2
1.j)	What is Delegation event model.	1	1
PART-B		(50Marks)	
Q.No	Questions	Marks	BTL
2. a)	Explain the concept of classes, objects and methods in OOP.	5M	2
b)	Explain any three string handling functions with example.	5M	2
OR			
3.	What is inheritance? Explain different types of inheritances.	10M	2
4. a)	What happens when there is no suitable try block to handle an exception? Explain with an example.	5M	2
b)	What is meant by re-throwing exception? Build a suitable scenario for the same.	5M	3
OR			
5.	Explain about Random access file operations with an example.	10M	2
6. a)	How to create packages and use them in java? Explain	5M	p
b)	Explain Scanner class and String Tokenizer class.	5M	2
OR			
7. a)	List the differences between Array List and Vector in Collection framework.	5M	1
b)	Develop a program to store the names of bank depositors and	5M	3

	their current balances by using hash table.		
8. a)	Explain Java thread life cycle with neat sketch.	5M	2
b)	Explain Thread based multitasking with an example.	5M	2
OR			
9.	Develop a program to perform CRUD operations on the student table in a database using JDBC	10M	3
10.a)	Develop an Applet to display welcome message	5M	3
b)	Explain in detail the MVC architecture.	5M	2
OR			
11.	How the events of the mouse and keyboard can be handled? Explain with an example.	10M	2

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