

# SNS COLLEGE OF TECHNOLOGY



(An Autonomous Institution)  
Approved by AICTE, New Delhi, Affiliated to Anna University, Chennai  
Accredited by NAAC-UGC with 'A++' Grade (Cycle III) &  
Accredited by NBA (B.E - CSE, EEE, ECE, Mech & B.Tech.IT)  
COIMBATORE-641 035, TAMIL NADU

## DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Course Code & Name : **23CSB201 – OBJECT ORIENTED PROGRAMMING**

Course Faculty : **Dr.A.Sumithra**

### Question Bank

#### UNIT I - INTRODUCTION TO OOP

##### Part A- Two Mark Questions

PART A -(10×2=20 Marks )					
S.No	Questions	M	CO	BL	Company Name/GATE Year
1	Define Object Oriented Programming.	2	CO-1	L-1	Infosys / GATE 2025
2	List any two features of Object Oriented Programming.	2	CO-1	L-1	Wipro / GATE 2025
3	Explain the concept of platform independence in Java.	2	CO-1	L-2	HCL / GATE 2025
4	What is Java Virtual Machine (JVM)?	2	CO-1	L-2	TCS / GATE 2025
5	Describe the role of Java compiler.	2	CO-2	L-1	Microsoft / GATE 2025
6	List the primitive data types available in Java.	2	CO-2	L-1	IBM / GATE 2025
7	What is variable declaration in Java?	2	CO-2	L-2	Google / GATE 2025
8	Identify any two arithmetic operators in Java.	2	CO-2	L-2	Amazon / GATE 2025
9	What are command line arguments in Java?	2	CO-3	L-2	Bosch / GATE 2025
10	Summarize the importance of comments in Java programs.	2	CO-3	L-3	Siemens / GATE 2025

## Part B - 16 Mark Questions

PART B - (16 X 10 = 160 marks)					
S.No	Questions	M	CO	BL	Company Name/GATE Year
1	Apply the concepts of Object Oriented Programming to design a Java-based student management system. Explain the benefits.	16	CO-1	L-4	Microsoft / GATE 2025
2	Analyze the evolution of Java and justify its widespread adoption in enterprise applications.	16	CO-1	L-5	Google / GATE 2025
3	Explain Java architecture with a neat diagram and analyze the role of JVM in platform independence.	16	CO-1	L-4	Deloitte / GATE 2025
4	Apply OOP principles to a Bosch Java application used in embedded systems. Develop a conceptual design.	16	CO-2	L-4	Bosch / GATE 2025
5	Evaluate Java data types and operators used in an Amazon billing application. Justify your choices.	16	CO-2	L-5	Amazon / GATE 2025
6	Analyze variable scope and lifetime in a Java-based Apple mobile application. Suggest best practices.	16	CO-2	L-4	Apple / GATE 2025
7	Apply the steps involved in Java environment setup for a Siemens enterprise project. Explain each step clearly.	16	CO-3	L-4	Siemens / GATE 2025
8	Evaluate the use of command line arguments in a TCS Java automation tool. Provide a sample scenario.	16	CO-2	L-5	TCS / GATE 2025
9	Analyze common programming errors avoided using comments in Java programs at Intel. Recommend guidelines.	16	CO-3	L-4	Intel / GATE 2025
10	Apply Java programming structure and syntax to a SAP business application. Justify your design approach.	16	CO-3	L-4	SAP / GATE 2025