

Serial No	Topic Name	Date	Page no	Teacher's sign
1	Explain the salient features of JAVA that makes it different from other programming languages	16-08-2024	1-4	
2	What is the difference between class and object ?	16-08-2024	4-7	
3	Strings are mutable or immutable in JAVA ? give example .	16-08-2024	8-9	
4	Which are the various data types in JAVA ? What is the difference between keyword , identifier , literal and operator ? Give an example .	17-08-2024	10-13	
5	Explain Object Oriented Features of JAVA .	17-08-2024	14-17	
6	Write and explain the structure of a JAVA program .	17-08-2024	18-23	
7	How are comments added in a JAVA program ?	17-08-2024	24-27	
8	Explain five String handling functions	17-08-2024	28-32	
9	JAVA is secure , robust and platform independent . Explain the features of JAVA that make it support this statement .	17-08-2024	33-35	
10	Explain basic building blocks of the Object Oriented paradigm . How is this paradigm better than the procedural ?	18-08-2024	36-40	
11	Which are the advantages of inheritance ? Which are different types of inheritance in JAVA ?	19-08-2024	41-46	
12	What is the difference between class , abstract class and interface ? How does an interface differ from class ?	19-08-2024	47-50	
13	What is use of method overriding and method overloading ? Give an example of both . What is the use of super and final keywords ?	19-08-2024	51-54	

14	What is Interface ? Which are various similarities and differences between class and inheritance ?	19-08-2024	54-59	
15	How is a package created and used in JAVA ?	19-08-2024	60-63	
16	What are the advantages of using the concept of packages ?	19-08-2024	64-67	
17	Create an inheritance structure for vehicles . How will you use final , this and super keywords while developing code for it ?	19-08-2024	68-71	
18	What is a method in JAVA ? How is it defined and called ?	19-08-2024	72-78	
19	Which package does contain the methods for handling input/output ? Explain the procedure to read from console characters and Strings .	19-08-2024	79-80	
20	Explain the structure of if-else-if ladder And the switch statement . Give an example to show when it is better to use switch statements .	20-08-2024	81-86	
21	What is polymorphism ? How is it helpful ? Explain it's use with example operator overloading .	20-08-2024	87-92	
22	Explain the use of exception handling in JAVA ? Which are checked and unchecked exceptions ? Explain	20-08-2024	93-98	
23	What is exception handling ? Why are exceptions raised ? explain the meaning of different keywords associated with exception handling .	20-08-2024	99-103	
24	Explain the use of the following in JAVA : (a) Try-catch (b) Try-finally (c) Throw and Throws	20-08-2024	104-109	
25	What is the use of threads ? Give any three practical examples where threads may be required . Why and how can you change thread priority . ?	20-08-2024	110-116	

26	Why is multithreading important ? Write down the complete life cycle of a thread .	20-08-2024	117-120	
27	What is thread ? How is it different from a process ? Explain the basic constructs of creating threads and use them to synchronize asynchronous tasks .	20-08-2024	121-125	
28	Explain the following : (a) Buffered Input / Output stream . (b) JDBC	20-08-2024	126-130	
29	Write a program in JAVA to show records of the students table of MySql . Assume table as : Student(RollNo, StudentName ,DOB , CourseName) .	21-08-2024	131-135	
30	Write a program in JAVA to show records of the employee table of MySql . Assume table as : Employee (EmpID, EmpName ,Salary , DOJ)	22-08-2024	136-141	
31	How does JAVA handle data for permanent storage ? Write code to create , read and close a file structure for storing data for long term use .	21-08-2024	142-148	
32	Suppose there is a MySql database to store data about online applicants of a recruitment drive . Write down statement to connect a JAVA program to the MySql database and add , manipulate data .	21-08-2024	149-154	

