TED (21) -4131
(Revision- 2021)

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Reg.No………….…...............
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**DIPLOMA EXAMINATION IN ENGINEERING/TECHNOLOGY/MANAGEMENT/
COMMERCIAL PRACTICE – APRIL - 2023**
OBJECT ORIENTED PROGRAMMING

(Maximum Marks : 75)   [Time : 3 hours]

PART–A

I. Answer **all** the following questions in one word or sentence. Each question carries 1 mark.

(9x1=9 marks)

		Module Outcome	Cognitive level
1	………is the mechanism that binds together code and the data it manipulates, and keeps both safe from outside interference and misuse.	M1.01	R
2	State whether true or false. A class is a template for multiple objects with similar features.	M1.04	R
3	Which keyword is used to inherit a class?	M2.01	U
4	If you do not implement all the methods of an interface while implementing, what specifier should you use for the class?	M2.06	U
5	What is the purpose of Layout Manager?	M3.03	U
6	List the types of containers in Swing.	M3.02	R
7	A…………is a column or combination of columns that uniquely identifies a record.	M4.02	U
8	Define Database Management System (DBMS).	M4.01	R
9	Which method is used to establish a connection to a database in JDBC?	M4.03	A

PART B

II. Answer **any Eight** questions from the following. Each question carries 3 marks.

(8x3=24)

		Module Outcome	Cognitive level
1	Write the significance of Java Virtual Machine.	M1.02	R
2	What is the purpose of constructor in Java programming?	M1.06	U
3	List the ways to access the package from outside the package.	M2.08	U
4	What is meant by a final class? Give an example.	M2.06	U
5	List the features of Swing.	M3.01	R
6	Write the role of event listeners in Java.	M3.05	U
7	List the commonly used methods for Swing Components.	M3.02	A
8	List the ways of creating a frame in Swing.	M3.06	A
9	List the data types in SQL.	M4.02	R
10	Write the functionality of ResultSet in JDBC.	M4.04	U

PART C

Answer **all** questions from the following. Each question carries 7 marks.

(6x7=42marks)

		Module Outcome	Cognitive level
III	Explain the features of Object oriented programming. (7Marks)	M 1.01	R
	OR		
IV	Write a Java program that defines a class called "Person" with two attributes (name and age), a constructor, and a method to print the details of the person. (7Marks)	M1.06	A
V	What is an Exception? How is an Exception handled in Java with an example? (7Marks)	M1.12	U
	OR		
VI	Write short notes about static variables and methods in Java. (7Marks)	M1.08	R
VII	What is inheritance? List different forms of inheritance. (7marks)	M2.01	U
	OR		
VIII	Write the functionalities of super keyword in Java. Give an example. (7Marks)	M2.02	U
IX	Differentiate between method overloading and method overriding. (7Marks)	M2.03	U
	OR		
X	Write an example program where interface can be used to support multiple inheritance. (7Marks)	M2.07	A
XI	Explain the steps for creating a simple swing GUI application. (7Marks)	M3.03	U
	OR		
XII	Write a java program to perform a button click event in Java. (7 Marks)	M3.04	A
XIII	Describe the following SQL commands with an example. (i) CREATE (ii) ALTER (iii) DROP (7 Marks)	M4.02	R
	OR		
XIV	Explain the steps for creating a JDBC connection. (7Marks)	M4.03	U

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