**Exam Paper - I**

Name : Date :

Employee ID : 10

**Answer All the questions (Last question have 20 marks) Total 100 marks**

1) Write About Compiling and Execution procedure of Java Application.

2) Write about Abstract classes and Interfaces. Specify the Main Differences between interfaces and Abstract classes.

3) Assume we have scenario as maintaining Library management, where we have books as category, in that we have Novels, Academic and Sports as Subcategories, and GK books are added advantage to any entity. How can you represent this using Object Oriented Programming

4) Write a Program to Implement take 2 times Zones and add the zones. Ex ( Time 1 as 1 hr 56 mins Time 2 as 2 hr 32 mins) then result 4 hrs 22 mins)

5) Write a Program ensures read the data from the keyboard (scanner) if any char Is found between a to z then please convert that into upper case (A-Z)

6) Write Custom Exceptions for Take a string and check Whether the string not supposed to contain Special Characters(‘,’’#’,’$’,’%’,’@’)

7) Assume we have a scenario, as Top level management class need not to be inherited to the subclasses. Give a mechanism as how to stop inheriting class?

8) Write a program to define access modifiers w.r.t. like (private, public, protected, friendly)

Scenarios 5 as (same class, other class, derived class, other package classes, other package derived classes) make a chart and program both

9) Create a class as

public class Product {

int id;

String name;

double price;

}

And write a code to add 10 records of product and display using Lambda expression and foreach method.

Task 2 :

Sort by using name, using lambda operator

Task 3 :

Display all records whose price > 3000 using Streams