

Date: 2021-04-04

Dept. : Computer Engineering

Subject : Java

Subject code : 12345

Time : 3 hours 0 minutes

Total marks : 70

Q-1

Answer below questions:

Give difference of overriding and overloading of methods in Java [3]

Elaborate try,catch,finally,throw and throws with an example [4]

Write fibonacci series program using Java [7]

Q-2

Answer below questions: marks each

Enlist OOPS properties of Java [3]

Does Java support multiple inheritance ? Justify. [4]

Write an application that executes two threads. One thread displays "Good Morning" every 1000 milliseconds & another thread displays "Good Afternoon" every 3000 milliseconds. [7]

OR

Explain methods of Collection class

[7]

Q-3

Answer below questions: marks each

Explain exception handling while dividing a number by zero

[3]

Explain interface and abstract difference

[4]

Write a program to replace all “word1” by “word2” to a file without using temporary file and display the no. of replacement.

[7]

OR

Explain different types of constructors with the help of an example.

[3]

Explain Thread Life Cycle in detail.

[4]

Explain Generics in java with demo program.

[7]

Q-4

Answer below questions: marks each

Explain difference between final, finally and finalize.

[3]

Explain access level with their types

[4]

Explain property of multithreading with the help of an example

[7]

OR

Explain inner class [3]

Write a program to demonstrate the constructor overloading [4]

Write a program of reading from a file and writing into another file [7]

Q-5

Answer below questions: marks each

Give example of inheritance using Java [3]

Explain overloading of a method with example [4]

Enlist and explain the difference between error and exception. Write a program to handle InterruptedException, IllegalArgumentException using try-catch-finally and throw [7]

OR

Differentiate between constructor and method of class. [3]

Explain methods of Thread with the help of an example [4]

Explain :this,super,static,final ,finally, static and garbage collection [7]

-----All the best-----