

Daffodil International University

Faculty of Science & Information Technology Final Examination, Fall 2022

Course Code: CSE 221/214, Course Title: Object Oriented Programming

Level: 2 Term: 1+2 Batch: 59, 60, OLD-SYL

Marks: 40

Answer ALL Questions

Time: 2:00 Hrs

[The figures in the right margin indicate the full marks and corresponding course outcomes. All portions of each question must be answered sequentially.]

1.	<i>a</i>)	What is the main difference between checked and unchecked exception? Find out the output of the following java program?			CO1
		<pre>public class X { public static void main(String[] args) { try { badMethod(); System.out.print("A"); } catch (RuntimeException ex) { System.out.print("B"); } catch (Exception ex1) { System.out.print("C"); } }</pre>	<pre>finally {</pre>		
	b)	Compare between Aggregation and composition with proper example.		[2.5]	
2.	a)	<pre>void learnCoding(); void learnProgramming(); void contribute(); } abstract class Student implements GFG { public void learnCoding() {</pre>	<pre>with example. Find out the output of the class GEEK extends Student { public void contribute() { System.out.println("Let's help others to Learn java"); } public void learnCoding() { System.out.println("Let's make coding a habit with Java"); } } public class NewClass { public static void main(String[] args) { GEEK gfgStudent = new GEEK(); gfgStudent.learnCoding(); gfgStudent.learnProgramming(); gfgStudent.contribute(); }}</pre>	[5]	CO2
	b)	Is there any Exception exists in the following program? If yes, explain that Exceptions that were causing problems and what approach have you taken to solve this problem. public class Test { public static void main(String[] args) { int a = 20, b = 30, c = 10; int x = (a * b) / (a - b + c); System.out.println("Result: " + x); } }		[5]	

