

**Daffodil International University**  
Faculty of Science and Information Technology  
Department of Computing and Information System  
**Class Test Examination: Spring Semester 2021**  
Program: B.Sc. in CIS  
Course Code: CIS 321  
Course Title: Advanced Object Oriented Programming

**Time: 5 Minutes**

**Total Marks: 5 X 1 = 5**

<b>Student ID:</b>	<b>Batch:</b>	<b>Session:</b>
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**Part 1: MCQ**

**These are single best answer type of questions. Write down the most appropriate one on your answer script.**

1. When does exceptions in java arises in code sequence?
  - a) Run Time
  - b) Compilation Time
  - c) Can Occur Any Time
  - d) Any place
2. Which statement is true about java?
  - a) Platform independent programming language
  - b) Platform dependent programming language
  - c) Code dependent programming language
  - d) Sequence dependent programming language
3. Which concept of Java is achieved by combining methods and attribute into a class?
  - a) Encapsulation
  - b) Inheritance
  - c) Polymorphism
  - d) Abstraction
4. Which of the following is the correct way of importing an entire package 'pkg'?
  - a) import pkg.
  - b) Import pkg.
  - c) import pkg.\*
  - d) Import pkg.\*
5. Which of the following is a valid declaration of an object of class Box?
  - a) Box obj = new Box ();
  - b) Box obj = new Box;
  - c) obj = new Box ();
  - d) new Box obj;

**Part 2: SAQ**

**Time: 55 Minutes**

**Total Marks: 10**

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**(Answer the questions from the followings)**

*[The figures in the right margin indicate full marks for the respective question]*

1.
  - a) Why object-oriented modeling? Write down the importance of GUI design of java. [3]
  - b) What are the advantages of packages in java? Why UML diagram is important in advanced object-oriented programming language (AOOP)? [2]
  
2.
  - a) How can we use AOOP in software development life cycle? [2]
  - b) Draw a UML diagram to handle a software project which will be developed by java language. [2]
  - c) Why multiple inheritance is not supported in java? [1]