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| **SCJA Sun Certified Java Associate Mock Exams** |

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| The SCJA exam is the entry level certification of Sun Microsystems Java technology certification path.  In order to pass the SCJA exam you need a wide variety knowledge on a high level of the different Java platforms J2SE, J2ME and J2EE. Furthermore you have to know the basics of UML representation and an understandig of object-oriented concepts. Fundamental Java programming skills are tested on the SCJA exam as well. |

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| Details for The Sun Certified Associate for the Java Platform Exam (SCJA) | |
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| Exam Number | CX-310-019 |
| Prerequisites | none |
| Number of questions | 51 |
| Passing score | 68% (35 of 51 questions) |
| Time | 115 min |
| Question types | Multiple choice and Drag and Drop |

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| **Section 1: Fundamental Object-Oriented Concepts** | [( click here for the exam objectives )](http://www.scja.de/scja-mock-exam-section1.html) |

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| * Describe, compare, and contrast primitives (integer, floating point, boolean, and character), enumeration types, and objects. * Describe, compare, and contrast concrete classes, abstract classes, and interfaces, and how inheritance applies to them. * Describe, compare, and contrast class compositions, and associations (including multiplicity: (one-to-one, one-to-many, and many-to-many), and association navigation. * Describe information hiding (using private attributes and methods), encapsulation, and exposing object functionality using public methods; and describe the JavaBeans conventions for setter and getter methods. * Describe polymorphism as it applies to classes and interfaces, and describe and apply the "program to an interface" principle |
| SCJA Exam Objectives taken from [*http://www.sun.com/training/catalog/courses/CX-310-019.xml*](http://www.sun.com/training/catalog/courses/CX-310-019.xml) |  | |
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| **Question 1-1** | |
| Given the following code. Select the correct setter and getter method for the property limit according to the JavaBeans convention. | |
| public class PropertyCheck {  private int limit;  } | |
| **Select all correct answers :** | | |

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| Top of Form | **a.** | public void setLimit(int limit) { this.limit=limit; } |
|  | **b.** | public int setLimit(int limit) { return this.limit; } |
|  | **c.** | public void getLimit(int limit) { this.limit=limit; } |
|  | **d.** | public int getLimit() { return this.limit; } |
|  | **e.** | public int setLimit() { return this.limit; }  Bottom of Form |

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| [Answer](http://www.scja.de/scja-mock-exam-section1.html) |
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| **a.** and **d.** are correct. |
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| **Question 1-2** |
| Which of the following statements are true ? |
| **Select all correct answers :** | |

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| Top of Form | **a.** | A class can extend more than one class |
|  | **b.** | A class can implement more than one interface |
|  | **c.** | An interface can extend more than one interface |
|  | **d.** | An interface can implement more than one interface  Bottom of Form |

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| [Answer](http://www.scja.de/scja-mock-exam-section1.html) |
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| **b.** and **c.** is correct. |
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| **Question 1-3** |
| Which of the following primitives are known as the floating point datatypes ? |
| **Select all correct answers :** | |

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| Top of Form | **a.** | int |
|  | **b.** | short |
|  | **c.** | double |
|  | **d.** | float |
|  | **e.** | char  Bottom of Form |

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| [Answer](http://www.scja.de/scja-mock-exam-section1.html) |
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| **c.** and **d.** are correct. |
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| **Question 1-4** |
| A book has one or more pages. Which of the following concepts characterize it best ? |
| **Select the correct answer :** | |

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| Top of Form | **a.** | Inheritance |
|  | **b.** | Composition |
|  | **c.** | Association |
|  | **d.** | Specialization  Bottom of Form |

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| [Answer](http://www.scja.de/scja-mock-exam-section1.html) |
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| **b.** is correct. |
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| **Question 1-5** |
| A subclass is usually more specific than his superclass. |
| **Select the correct answer :** | |

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| Top of Form | **a.** | The statement is true |
|  | **b.** | The statement is false  Bottom of Form |

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| [Answer](http://www.scja.de/scja-mock-exam-section1.html) |
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| **a.** is correct. |
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| **Section 2: UML Representation of Object-Oriented Concepts** | [( click here for the exam objectives )](http://www.scja.de/scja-mock-exam-section2.html) |

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| * Recognize the UML representation of classes, (including attributes and operations, abstract classes, and interfaces), the UML representation of inheritance (both implementation and interface), and the UML representation of class member visibility modifiers (-/private and +/public). * Recognize the UML representation of class associations, compositions, association multiplicity indicators, and association navigation indicators. | | |
| SCJA Exam Objectives taken from [*http://www.sun.com/training/catalog/courses/CX-310-019.xml*](http://www.sun.com/training/catalog/courses/CX-310-019.xml) | | |  |
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| **Question 2-1** |
| What is the representation of inheritance in an UML class diagram ? |
| **Select the correct answer :** | |

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| Top of Form | **a.** | An open headed arrow pointing to the inheriting class |
|  | **b.** | A closed headed arrow pointing to the inheriting class |
|  | **c.** | A closed headed dashed arrow pointing to the parent class |
|  | **d.** | A closed headed arrow pointing to the parent class  Bottom of Form |

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| [Answer](http://www.scja.de/scja-mock-exam-section2.html) |
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| **d.** is correct. |
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| **Question 2-2** |
| Which of the following statements are true ? |
| http://www.scja.de/images/q-2-2.gif |
| **Select the correct answer :** | |

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| Top of Form | **a.** | Employee is an interface |
|  | **b.** | Employee is an abstract class |
|  | **c.** | The method calcIncome() is abstract |
|  | **d.** | Employee is a non-abstract class |
|  | **e.** | The method calcIncome() is non-abstract  Bottom of Form |

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| [Answer](http://www.scja.de/scja-mock-exam-section2.html) |
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| **b.** and **c.** is correct. |
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| **Question 2-3** |
| Which of the following statements is true ? |
| http://www.scja.de/images/q-2-3.gif |
| **Select the correct answer :** | |

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| Top of Form | **a.** | Class association is represented |
|  | **b.** | Inheritence is represented |
|  | **c.** | Implementation is represented |
|  | **d.** | Class composition is represented  Bottom of Form |

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| [Answer](http://www.scja.de/scja-mock-exam-section2.html) |
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| **a. is correct.** |
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| **Question 2-4** |
| The UML diagrams shown belown are equivalent. |
| http://www.scja.de/images/q-2-4.gif |
| **Select the correct answer :** | |

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| Top of Form | **a.** | The statement is true. |
|  | **b.** | The statement is false.  Bottom of Form |

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| [Answer](http://www.scja.de/scja-mock-exam-section2.html) |
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| **a.** is correct. |
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| **Question 2-5** |
| What is the association multiplicity indicator for "zero or more" in UML notation ? |
| **Select the correct answer :** | |

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| Top of Form | **a.** | 0->\* |
|  | **b.** | \*..0 |
|  | **c.** | 0..\* |
|  | **d.** | 0->more  Bottom of Form |

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| [Answer](http://www.scja.de/scja-mock-exam-section2.html) |
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| **c.** is correct. |
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| **Section 3: Java Implementation of Object-Oriented Concepts** | | | [( click here for the exam objectives )](http://www.scja.de/scja-mock-exam-section3.html) |

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| * Notes: code examples may use the 'new' operator. * Develop code that uses primitives, enumeration types, and object references, and recognize literals of these types. * Develop code that declares concrete classes, abstract classes, and interfaces, code that supports implementation and interface inheritance, code that declares instance attributes and methods, and code that uses the Java access modifiers: private and public. * Develop code that implements simple class associations, code that implements multiplicity using arrays, and recognize code that implements compositions as opposed to simple associations, and code that correctly implements association navigation. * Develop code that uses polymorphism for both classes and interfaces, and recognize code that uses the "program to an interface" principle. | | |
| SCJA Exam Objectives taken from [*http://www.sun.com/training/catalog/courses/CX-310-019.xml*](http://www.sun.com/training/catalog/courses/CX-310-019.xml) | | |  |
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| **Question 3-1** |
| Which of the given code fragments will compile without errors ? |
| **Select all correct answers :** | |

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| Top of Form | **a.** | float f=3.5; |
|  | **b.** | double d=3.5; |
|  | **c.** | int i=10; |
|  | **d.** | int e,f=10; |
|  | **e.** | char c = "C";  Bottom of Form |

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| [Answer](http://www.scja.de/scja-mock-exam-section3.html) |
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| **b.**,**c.** and **d.** are correct. |
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| **Question 3-2** |
| What will be the result of compiling and running the following code ? |
| abstract class Employee {  String name;  public abstract float calcIncome();  }  class Manager extends Employee {  public void hire(String who) {  System.out.println( who + " hired by " + name );  }    public void fire(String who) {  System.out.println( who + " fired by " + name );  }  }    public class ManagerCheck {  public static void main(String args[]) {  Manager me = new Manager();  me.hire("newbie");  me.fire("nobody");  }  } |
| **Select the correct answer :** | |

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| Top of Form | **a.** | who hired by name and who fired by name |
|  | **b.** | newbie hired by name and nobody fired by name |
|  | **c.** | newbie hired by null and nobody fired by null |
|  | **d.** | Compilations fails  Bottom of Form |

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| [Answer](http://www.scja.de/scja-mock-exam-section3.html) |
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| **d.** is correct. |
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| **Question 3-3** |
| According to the UML diagram - what is the correct Java representation of Animal and Cat ? |
| http://www.scja.de/images/q-3-3.gif |
| **Select the correct answer :** | |

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| Top of Form | **a.** | class Cat implements Animal { } |
|  | **b.** | class Animal extends Cat { } |
|  | **c.** | class Animal implements Cat { } |
|  | **d.** | class Cat extends Animal { } |
|  | **e.** | UML diagram is invalid  Bottom of Form |

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| [Answer](http://www.scja.de/scja-mock-exam-section3.html) |
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| **d.** is correct. |
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| **Question 3-4** |
| Methods defined in a java interface are public and abstract by default. |
| **Select the correct answer :** | |

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| Top of Form | **a.** | The statement is true. |
|  | **b.** | The statement is false.  Bottom of Form |

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| [Answer](http://www.scja.de/scja-mock-exam-section3.html) |
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| **a.** is correct. |
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| **Question 3-5** |
| Which of the following statements about abstract classes in java are true ? |
| **Select all correct answers :** | |

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| Top of Form | **a.** | A class must be declared abstract if one or more methods are abstract. |
|  | **b.** | A class can be declared abstract if one or more methods are abstract. |
|  | **c.** | A class can be declared abstract without abstract methods. |
|  | **d.** | An abstract class cannot be instanciated.  Bottom of Form |

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| [Answer](http://www.scja.de/scja-mock-exam-section3.html) |
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| **a.**,**c.** and **d.** are correct. |
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| **Section 4: Algorithm Design and Implementation** | [( click here for the exam objectives )](http://www.scja.de/scja-mock-exam-section4.html) |

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| * Describe, compare, and contrast these three fundamental types of statements: assignment, conditional, and iteration, and given a description of an algorithm, select the appropriate type of statement to design the algorithm. * Given an algorithm as pseudo-code, determine the correct scope for a variable used in the algorithm, and develop code to declare variables in any of the following scopes: instance variable, method parameter, and local variable. * Given an algorithm as pseudo-code, develop method code that implements the algorithm using conditional statements (if and switch), iteration statements (for, for-each, while, and do-while), assignment statements, and break and continue statements to control the flow within switch and iteration statements. * Given an algorithm with multiple inputs and an output, develop method code that implements the algorithm using method parameters, a return type, and the return statement, and recognize the effects when object references and primitives are passed into methods that modify them. * Given an algorithm as pseudo-code, develop code that correctly applies the appropriate operators including assignment operators (limited to: =, +=, -=), arithmetic operators (limited to: +, -, \*, /, %, ++, --), relational operators (limited to: <, <=, >, >=, ==, !=), logical operators (limited to: !, &&, ||) to produce a desired result. Also, write code that determines the equality of two objects or two primitives. * Develop code that uses the concatenation operator (+), and the following methods from class String: charAt, indexOf, trim, substring, replace, length, startsWith, and endsWith. | | |
| SCJA Exam Objectives taken from [*http://www.sun.com/training/catalog/courses/CX-310-019.xml*](http://www.sun.com/training/catalog/courses/CX-310-019.xml) | | |  |
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| **Question 4-1** |
| What will be the result of compiling and running the following code ? |
| public class StringCheck {  public static void main(String args[]) {  String s = "SCJA ";  s.trim();  s = s + "Exam";  System.out.println(s);  }  } |
| **Select the correct answer :** | |

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| Top of Form | **a.** | SCJA     Exam |
|  | **b.** | SCJA Exam |
|  | **c.** | SCJAExam |
|  | **d.** | Compilation fails  Bottom of Form |

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| [Answer](http://www.scja.de/scja-mock-exam-section4.html) |
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| **a.** is correct. |
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| **Question 4-2** |
| What will be the result of compiling and running the following code ? |
| public class LoopCheck {  public static void main(String args[]) {  int i = 0;  int x = 10;  while ( x > 6 ) {  System.out.print(++i + " ");  x--;  }  }  } |
| **Select the correct answer :** | |

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| --- | --- | --- |
| Top of Form | **a.** | 1 2 3 4 5 |
|  | **b.** | 0 1 2 3 4 |
|  | **c.** | 1 2 3 4 |
|  | **d.** | 0 1 2 3 |
|  | **e.** | 0 1 2 3 4  Bottom of Form |

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| [Answer](http://www.scja.de/scja-mock-exam-section4.html) |
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| **c.** is correct. |
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| **Question 4-3** |
| Which of the following code fragments are a valid iteration statements ? |
| **Select all correct answers :** | |

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| Top of Form | **a.** | for ( int i=0; i<10;i++ ) {} |
|  | **b.** | for ( ; ; ) {} |
|  | **c.** | for ( int i=0; i< 5; ) {i++;} |
|  | **d.** | for ( int i=10; true; i--) {}  Bottom of Form |

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| [Answer](http://www.scja.de/scja-mock-exam-section4.html) |
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| **a.**,**b.**,**c.** and **d.** are correct. |
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| **Question 4-4** |
| The body of a do while loop is always executed more than one time. |
| **Select the correct answer :** | |

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| Top of Form | **a.** | The statement is true |
|  | **b.** | The statement is false  Bottom of Form |

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| [Answer](http://www.scja.de/scja-mock-exam-section4.html) |
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| **b.** is correct. |
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| **Question 4-5** |
| Which of the following statements about the ScopeCheck class are true ? |
| public class ScopeCheck {  private String name;  private int age;    public String call(String s) {  String text;  return s;  }  } |
| **Select all correct answers :** | |

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| Top of Form | **a.** | The variables name and age are instance variables |
|  | **b.** | The variable text is a method parameter variable |
|  | **c.** | The variable text is a local variable |
|  | **d.** | Compilation fails because variable text is not initialized  Bottom of Form |

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| [Answer](http://www.scja.de/scja-mock-exam-section4.html) |
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| **a.** and **c.** are correct. |
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| **Section 5: Java Development Fundamentals** | [( click here for the exam objectives )](http://www.scja.de/scja-mock-exam-section5.html) |

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| * Describe the purpose of packages in the Java language, and recognize the proper use of import and package statements. * Demonstrate the proper use of the "javac" command (including the command-line options: -d and -classpath), and demonstrate the proper use of the "java" command (including the command-line options: -classpath, -D and -version). * Describe the purpose and types of classes for the following Java packages: java.awt, javax.swing, java.io, java.net, java.util. | | |
| SCJA Exam Objectives taken from [*http://www.sun.com/training/catalog/courses/CX-310-019.xml*](http://www.sun.com/training/catalog/courses/CX-310-019.xml) | | |  |
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| **Question 5-1** |
| Which of the following options will run the PropertyCheck class and produce the output SCJA ? |
| public class PropertyCheck {  public static void main(String args[]) {  String myprop = System.getProperty("myprop");  System.out.println(myprop);  }  } |
| **Select the correct answer :** | |

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| Top of Form | **a.** | java -Dmyprop = SCJA PropertyCheck |
|  | **b.** | java PropertyCheck -Dmyprop=SCJA |
|  | **c.** | java -Dmyprop=SCJA PropertyCheck |
|  | **d.** | java - Dmyprop=SCJA PropertyCheck |
|  | **e.** | java -Dmyprop=SCJA PropertyCheck.class  Bottom of Form |

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| [Answer](http://www.scja.de/scja-mock-exam-section5.html) |
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| **c.** is correct. |
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| **Question 5-2** |
| Which of the following options will successfully compile the following code ? |
| public class CompileCheck {  public static void main(String args[]) {  System.out.println("SCJA Exam");  }  } |
| **Select the correct answer :** | |

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| Top of Form | **a.** | javac CompileCheck |
|  | **b.** | javac CompileCheck.class |
|  | **c.** | java CompileCheck.java |
|  | **d.** | javac CompileCheck.java |
|  | **e.** | java CompileCheck.class  Bottom of Form |

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| [Answer](http://www.scja.de/scja-mock-exam-section5.html) |
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| **d.** is correct. |
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| **Question 5-3** |
| Which of the following classes or interfaces can be found in the java.util package ? |
| **Select all correct answers :** | |

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| Top of Form | **a.** | List |
|  | **b.** | ArrayList |
|  | **c.** | Double |
|  | **d.** | String |
|  | **e.** | Collections  Bottom of Form |

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| [Answer](http://www.scja.de/scja-mock-exam-section5.html) |
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| **a.**,**b.** and **e.** are correct. |
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| **Question 5-4** |
| All classes of the java.lang package are available by default and need no special import statements. |
| **Select the correct answer :** | |

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| Top of Form | **a.** | The statement is true. |
|  | **b.** | The statement is false.  Bottom of Form |

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| [Answer](http://www.scja.de/scja-mock-exam-section5.html) |
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| **a.** is correct. |
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| **Question 5-5** |
| Which of the following statements represents a correct way of an import statement at the beginning of a java source file ? |
| **Select all correct answers :** | |

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| Top of Form | **a.** | import java.util.\*; |
|  | **b.** | import java.io; |
|  | **c.** | import java.util.Enumeration |
|  | **d.** | import java.net.URL;  Bottom of Form |

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| [Answer](http://www.scja.de/scja-mock-exam-section5.html) |
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| **a.** and **d.** are correct. |
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| **Section 6: Java Platforms and Integration Technologies** | [( click here for the exam objectives )](http://www.scja.de/scja-mock-exam-section6.html) |

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| * Distinguish the basic characteristics of the three Java platforms: J2SE, J2ME, and J2EE, and given a high-level architectural goal, select the appropriate Java platform or platforms. * Describe at a high level the benefits and basic characteristics of RMI. * Describe at a high level the benefits and basic characteristics of JDBC, SQL, and RDBMS technologies. * Describe at a high level the benefits and basic characteristics of JNDI, messaging, and JMS technologies. | | |
| SCJA Exam Objectives taken from [*http://www.sun.com/training/catalog/courses/CX-310-019.xml*](http://www.sun.com/training/catalog/courses/CX-310-019.xml) | | |  |
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| **Question 6-1** |
| Which of the following statements are true ? |
| **Select all correct answers :** | |

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| Top of Form | **a.** | SQL stands for Structured Query Language |
|  | **b.** | JNDI stands for Java Naming and Development Interface |
|  | **c.** | JMS stands for Java Message Servlet |
|  | **d.** | RMI stands for Remote Method Interaction  Bottom of Form |

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| [Answer](http://www.scja.de/scja-mock-exam-section6.html) |
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| **a.** is correct. |
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| **Question 6-2** |
| The RMI API is part of the Java 2 Standard Editon (J2SE) |
| **Select the correct answer :** | |

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| Top of Form | **a.** | The statement is true |
|  | **b.** | The statement is false  Bottom of Form |

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| [Answer](http://www.scja.de/scja-mock-exam-section6.html) |
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| **a.** is correct. |
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| **Question 6-3** |
| Which J2EE service enables applications to look up resources bound to a directory structure ? |
| **Select the correct answer :** | |

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| Top of Form | **a.** | JMS |
|  | **b.** | SQL |
|  | **c.** | JNDI |
|  | **d.** | RBDMS  Bottom of Form |

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| [Answer](http://www.scja.de/scja-mock-exam-section6.html) |
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| **c.** is correct. |
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| **Question 6-4** |
| Select the appropriate Java platform for the following described application.  The application relies heavily on swing components and needs no network connectivity. |
| **Select the correct answer :** | |

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| Top of Form | **a.** | J2ME |
|  | **b.** | J2EE |
|  | **c.** | J2SE  Bottom of Form |

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| [Answer](http://www.scja.de/scja-mock-exam-section6.html) |
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| **c.** is correct. |
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| **Question 6-5** |
| On which elements is the J2ME technology based on ? |
| **Select the correct answer :** | |

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| Top of Form | **a.** | integration environment |
|  | **b.** | deployment |
|  | **c.** | configuration |
|  | **d.** | profile |
|  | **e.** | validation |
|  | **f.** | set of technology-specific APIs  Bottom of Form |

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| [Answer](http://www.scja.de/scja-mock-exam-section6.html) |
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| **c.**,**d.** and **f.** are correct. |
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| **Section 7: Client Technologies** | [( click here for the exam objectives )](http://www.scja.de/scja-mock-exam-section7.html) |

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| * Describe at a high level the basic characteristics, benefits and drawbacks of creating thin-clients using HTML and JavaScript and the related deployment issues and solutions. * Describe at a high level the basic characteristics, benefits, drawbacks, and deployment issues related to creating clients using J2ME midlets. * Describe at a high level the basic characteristics, benefits, drawbacks, and deployment issues related to creating fat-clients using Applets. * Describe at a high level the basic characteristics, benefits, drawbacks, and deployment issues related to creating fat-clients using Swing. | | |
| SCJA Exam Objectives taken from [*http://www.sun.com/training/catalog/courses/CX-310-019.xml*](http://www.sun.com/training/catalog/courses/CX-310-019.xml) | | |  |
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| **Question 7-1** |
| Where can JavaScript code be placed for client site scripting like input form validation ? |
| **Select all correct answers :** | |

|  |  |  |
| --- | --- | --- |
| Top of Form | **a.** | JSP |
|  | **b.** | EJB |
|  | **c.** | HTML page |
|  | **d.** | Midlet  Bottom of Form |

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| [Answer](http://www.scja.de/scja-mock-exam-section7.html) |
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| **a.** and **c.** are correct. |
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| **Question 7-2** |
| In a J2ME context the abbreviation JAD stands for what ? |
| **Select the correct answer :** | |

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| Top of Form | **a.** | Java Archive Descriptor |
|  | **b.** | Java Application Descriptor |
|  | **c.** | Java Assignment Description |
|  | **d.** | Java Application Deployment  Bottom of Form |

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| [Answer](http://www.scja.de/scja-mock-exam-section7.html) |
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| **b.** is correct. |
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| **Question 7-3** |
| Which kind of components are deployed on mobile devices like handhelds or cell phones ? |
| **Select the correct answer :** | |

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| --- | --- | --- |
| Top of Form | **a.** | Applets |
|  | **b.** | Midlets |
|  | **c.** | Portlets |
|  | **d.** | Servlets  Bottom of Form |

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| [Answer](http://www.scja.de/scja-mock-exam-section7.html) |
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| **b.** is correct. |
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| **Question 7-4** |
| Which of the following statements about applets are true ? |
| **Select all correct answers :** | |

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| Top of Form | **a.** | An applet runs on an application server |
|  | **b.** | An applet is deployed on mobile devices |
|  | **c.** | An applet is downloaded from a web server to the client |
|  | **d.** | The client needs a JRE to start an applet |
|  | **e.** | The client does not need a JRE to start an applet  Bottom of Form |

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| [Answer](http://www.scja.de/scja-mock-exam-section7.html) |
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| **c.** and **d.** are correct. |
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| **Question 7-5** |
| A J2EE application server is needed to run swing applications. |
| **Select the correct answer :** | |

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| Top of Form | **a.** | The statement is true |
|  | **b.** | The statement is false  Bottom of Form |

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| [Answer](http://www.scja.de/scja-mock-exam-section7.html) |
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| **b.** is correct. |
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| **Section 8: Server Technologies** | [( click here for the exam objectives )](http://www.scja.de/scja-mock-exam-section8.html) |

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| * Describe at a high level the basic characteristics of: EJB, servlets, JSP, JMS, JNDI, SMTP, JAX-RPC, Web Services (including SOAP, UDDI, WSDL, and XML), and JavaMail. * Describe at a high level the basic characteristics of servlet and JSP support for HTML thin-clients. * Describe at a high level the use and basic characteristics of EJB session, entity and message-driven beans. * Describe at a high level the fundamental benefits and drawbacks of using J2EE server-side technologies, and describe and compare the basic characteristics of the web-tier, business-tier, and EIS tier. | | |
| SCJA Exam Objectives taken from [*http://www.sun.com/training/catalog/courses/CX-310-019.xml*](http://www.sun.com/training/catalog/courses/CX-310-019.xml) | | |  |
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| **Question 8-1** |
| Choose the two kinds of entity beans found in the J2EE specification. |
| **Select the correct answer :** | |

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| --- | --- | --- |
| Top of Form | **a.** | CMP and BMP |
|  | **b.** | stateless and stateful |
|  | **c.** | JMS and JNDI |
|  | **d.** | pooled and nonpooled  Bottom of Form |

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| [Answer](http://www.scja.de/scja-mock-exam-section8.html) |
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| **a.** is correct. |
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| **Question 8-2** |
| Clicking a hyperlink on a website triggers a POST-Request. |
| **Select the correct answer :** | |

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| Top of Form | **a.** | The statement is true. |
|  | **b.** | The statement is false.  Bottom of Form |

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| [Answer](http://www.scja.de/scja-mock-exam-section8.html) |
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| **b.** is correct. |
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| **Question 8-3** |
| Information about the history of viewed items for an online shop user should be kept for the whole time the user spends on the shop site. Which object is an appropriate way to store this data ? |
| **Select the correct answer :** | |

|  |  |  |
| --- | --- | --- |
| Top of Form | **a.** | HttpServletResponse |
|  | **b.** | HttpServletRequest |
|  | **c.** | HttpSession |
|  | **d.** | EnterpriseSession  Bottom of Form |

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| [Answer](http://www.scja.de/scja-mock-exam-section8.html) |
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| **c.** is correct. |
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| **Question 8-4** |
| The terms subscriber, publisher, producer and consumer belong to which specifiation ? |
| **Select the correct answer :** | |

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| --- | --- | --- |
| Top of Form | **a.** | JSP |
|  | **b.** | JMS |
|  | **c.** | Servlet |
|  | **d.** | XML  Bottom of Form |

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| [Answer](http://www.scja.de/scja-mock-exam-section8.html) |
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| **b.** is correct. |
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| **Question 8-5** |
| The vendor of an J2EE Container is responsible for coding database access in a BMP entity bean. |
| **Select the correct answer :** | |

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| Top of Form | **a.** | The statement is true. |
|  | **b.** | The statement is false.  Bottom of Form |

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| [Answer](http://www.scja.de/scja-mock-exam-section8.html) |
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| **b.** is correct. |
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