CSA0917-JAVA MCQ

Question1: START

**Which of the following is a valid declaration of a float variable in Java?**

Question1: END

Option\_a: float f = 10.5;

Option\_b: float f = 10.5f;

Option\_c: float f = 10.5F;

Option\_d: Both b and c

**Correct\_option:** Both b and c

Question2: START

**Which of these keywords is used to prevent a class from being subclassed?**

Question2: END

Option\_a: final

Option\_b: static

Option\_c: abstract

Option\_d: private

**Correct\_option:** final

Question3: START

**Which method must be implemented by all threads in Java?**

Question3: END

Option\_a: run()

Option\_b: start()

Option\_c: stop()

Option\_d: execute()

**Correct\_option:** run()

Question4: START

**What will be the result of the following code? System.out.println(5 + 10 \* 3 / 2 - 8);**

Question4: END

Option\_a: 19

Option\_b: 20

Option\_c: 21

Option\_d: 17

**Correct\_option:** 21

Question5: START

**Which of the following is not a Java keyword?**

Question5: END

Option\_a: interface

Option\_b: volatile

Option\_c: synchronized

Option\_d: assertive

**Correct\_option:** assertive

Question6: START

**What is the default value of a boolean variable in Java?**

Question6: END

Option\_a: true

Option\_b: false

Option\_c: 0

Option\_d: null

**Correct\_option:** false

Question7: START

**Which operator is used to concatenate two strings in Java?**

Question7: END

Option\_a: &

Option\_b: +

Option\_c: |

Option\_d: \*

**Correct\_option:** +

Question8: START

**What is the size of the int data type in Java?**

Question8: END

Option\_a: 8 bits

Option\_b: 16 bits

Option\_c: 32 bits

Option\_d: 64 bits

**Correct\_option:** 32 bits

Question9: START

**Which of the following is used to handle exceptions in Java?**

Question9: END

Option\_a: catch

Option\_b: try

Option\_c: finally

Option\_d: All of the above

**Correct\_option:** All of the above

Question10: START

**What will be the output of the following code snippet? System.out.println(10 % 3);**

Question10: END

Option\_a: 1

Option\_b: 2

Option\_c: 3

Option\_d: 0

**Correct\_option:** 1

Question11: START

**Which collection class is used to store key-value pairs in Java?**

Question11: END

Option\_a: ArrayList

Option\_b: HashSet

Option\_c: HashMap

Option\_d: LinkedList

**Correct\_option:** HashMap

Question12: START

**What is the result of 5 / 2 in Java if both operands are integers?**

Question12: END

Option\_a: 2

Option\_b: 2.5

Option\_c: 2.0

Option\_d: 2.5f

**Correct\_option:** 2

Question13: START

**Which class is the direct superclass of all classes in Java?**

Question13: END

Option\_a: Object

Option\_b: Class

Option\_c: Throwable

Option\_d: String

**Correct\_option:** Object

Question14: START

**What is the purpose of the static keyword in Java?**

Question14: END

Option\_a: To define a class

Option\_b: To define a variable or method that belongs to the class, rather than an instance of the class

Option\_c: To define a method that cannot be overridden

Option\_d: To define a variable that can be changed

**Correct\_option:** To define a variable or method that belongs to the class, rather than an instance of the class

Question15: START

**Which of the following is not a valid Java identifier?**

Question15: END

Option\_a: myVariable

Option\_b: variable\_1

Option\_c: 1variable

Option\_d: \_variable

**Correct\_option:** 1variable

Question16: START

**Which of these access modifiers allows access only within the same package?**

Question16: END

Option\_a: public

Option\_b: protected

Option\_c: private

Option\_d: default

**Correct\_option:** default

Question17: START

**How do you create an instance of a class in Java?**

Question17: END

Option\_a: new ClassName();

Option\_b: ClassName instance = new ClassName();

Option\_c: ClassName instance = ClassName();

Option\_d: create ClassName();

**Correct\_option:** ClassName instance = new ClassName();

Question18: START

**Which of the following methods can be used to convert a string to an integer in Java?**

Question18: END

Option\_a: Integer.parseInt()

Option\_b: Integer.toString()

Option\_c: String.toInteger()

Option\_d: convertInt()

**Correct\_option:** Integer.parseInt()

Question19: START

**What is the default value of an instance variable of type double in Java?**

Question19: END

Option\_a: 0.0

Option\_b: 0.0f

Option\_c: null

Option\_d: 0

**Correct\_option:** 0.0

Question20: START

**Which method is used to find the length of an array in Java?**

Question20: END

Option\_a: array.length()

Option\_b: array.size()

Option\_c: array.length

Option\_d: array.getLength()

**Correct\_option:** array.length

Question21: START

**What is the result of the expression 3 \* 2 % 4 in Java?**

Question21: END

Option\_a: 0

Option\_b: 2

Option\_c: 3

Option\_d: 1

**Correct\_option:** 2

Question22: START

**Which of the following is a valid way to declare an array in Java?**

Question22: END

Option\_a: int[] arr = new int[5];

Option\_b: int arr = new int[5];

Option\_c: int arr[] = new int[5];

Option\_d: Both a and c

**Correct\_option:** Both a and c

Question23: START

**Which of the following statements about the main method in Java is correct?**

Question23: END

Option\_a: It must be declared as public and static.

Option\_b: It must return a value.

Option\_c: It can be declared with any access modifier.

Option\_d: It can be overloaded.

**Correct\_option:** It must be declared as public and static.

Question24: START

**Which package contains the classes for input and output operations in Java?**

Question24: END

Option\_a: java.net

Option\_b: java.io

Option\_c: java.util

Option\_d: java.lang

**Correct\_option:** java.io

Question25: START

**What will be the result of the following code snippet? System.out.println(3 == 3 ? "True" : "False");**

Question25: END

Option\_a: True

Option\_b: False

Option\_c: 3 == 3

Option\_d: Error

**Correct\_option:** True

Question26: START

**Which method is used to obtain the length of a String in Java?**

Question26: END

Option\_a: String.size()

Option\_b: String.length()

Option\_c: String.length

Option\_d: String.getLength()

**Correct\_option:** String.length()

Question27: START

**What is the output of System.out.println("Hello".charAt(1));?**

Question27: END

Option\_a: H

Option\_b: e

Option\_c: l

Option\_d: o

**Correct\_option:** e

Question28: START

**Which of the following is true about the default keyword in an interface?**

Question28: END

Option\_a: It is used to define a default constructor.

Option\_b: It allows the interface to have methods with a default implementation.

Option\_c: It is used to define default values for interface variables.

Option\_d: It is used to implement interface methods.

**Correct\_option:** It allows the interface to have methods with a default implementation.

Question29: START

**What will be the output of the following code snippet?**

**System.out.println(10 / 3.0);**

Question29: END

Option\_a: 3

Option\_b: 3.0

Option\_c: 3.3333333333333335

Option\_d: 3.3

**Correct\_option:** 3.3333333333333335

Question30: START

**Which class is used to create a thread in Java?**

Question30: END

Option\_a: Thread

Option\_b: Runnable

Option\_c: Task

Option\_d: Executor

**Correct\_option:** Thread