

BCA Sem.-4 Examination

CC-210

Core Java

May-2025

Time : 2-30 Hours]

[Max. Marks : 70

- Q.1 A List and explain features of Java. [07]
 B Explain conditional operator and type casting in brief. [07]
OR
- A What is constructor? Explain types of it. [07]
 B Write difference between C++ and Java. [07]
- Q.2 A What is array? Explain with example, how array is created and used in Java? Also define command line arguments. [07]
 B Explain the use of interface with example. [07]
OR
- A Explain the use of final keyword with example. [07]
 B Explain the use of abstract class with example. [07]
- Q.3 A What is the string? Explain the use of String class with equals(), length() and charAt() methods. [07]
 B What is exception? Explain how user define exception can be handled? [07]
OR
- A What is the use of wrapper class? List different wrapper classes and explain any one with its constructors. [07]
 B What is package? List and explain built-in packages. [07]
- Q.4 A What is thread? Explain the use of Thread class. [07]
 B Explain the use of Applet tag with its all attributes. [07]
OR
- A What is Applet? Explain Applet life cycle. [07]
 B Explain in brief:(i) thread priority (ii) use of <param> tag in applet. [07]
- Q.5 **Attempt the following.(Any Seven)** [14]
- i. Java compiler converts source file into ___ file.
 - a. Object
 - b. Executive
 - c. Class
 - d. Machine language
 - ii. ___ is a symbolic name refer to a memory location used to store values that can be change during the execution of a program.
 - a. Data
 - b. Variable
 - c. Identifier
 - d. Constant
 - iii. Casting of int data type into float is also known as ____
 - a. Widening
 - b. Narrowing
 - c. Transferring
 - d. None
 - iv. A variable which is defined outside a method and inside a class is known as ___ variable.
 - a. local
 - b. instance
 - c. class
 - d. final

- v. Method which is declared but has no body is known as ___ method
- static
 - final
 - abstract
 - overridden
- vi. `isAlive()` method of a `Thread` class returns ___ value.
- boolean
 - int
 - char
 - void
- vii. Which class is the parent class of all the predefined or user defined classes in Java?
- Object
 - Exception
 - Number
 - Thread
- viii. A package can contain ___
- Classes
 - Interfaces
 - Enumerated types
 - All of these
- ix. Which of the following is an example of unchecked exception?
- `ClassNotFoundException`
 - `IOException`
 - `InterruptedException`
 - `ArithmeticException`
- x. What is the default priority of the thread in the Java program?
- 0
 - 1
 - 5
 - 2
- xi. Which method is invoked more than one time of an applet?
- `start()`
 - `destroy()`
 - `init()`
 - None of the above
- xii. Which method must be defined by a class implementing the `java.lang.Runnable` interface?
- `public void run()`
 - `void run()`
 - `void start()`
 - `public void start()`
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