BCA-III Sem-V

QP Code: 3748QP

Total No. of Pages: 3

Seat No.

Summer Examination March - 2023

Subject Name: B.C.A. (CBCS)_88232_Java Programming_25.05.2023_02.30 PM To 05.30 PM
Subject Code: 88232

Day and Date: Thursday, 25-05-2023
Time: 02:30 pm to 05:30 pm

Total Marks: 70

Instructions.:
　　　　1) All questions are compulsory
Special Instruction.:
　　　　1) Q.1 and Q. 6 are compulsory and attempt any three Questions from Q.2 to Q. 5.

Q.1.　A. Multiple Choice Questions　(1*10)　　　　　　[20]

1 In swing, Buttons are subclasses of which class?
a. AbstractButton
b. JButton
c. Button
d. JRadioButton

2. ___ compiles parts of the byte code that have similar functionality at the same time
a. Native Method Stack
b. Program Counter Register
c. Just-In-Time (JIT) compiler
d. Interpreter

3. Which of the following is a mutable class in java?
a. java.lang.String
b. java.lang.Byte
c. java.lang.Short
d. java.lang.StringBuilder

4. Which of these have highest precedence?
a) ()
b) ++
c) *
d) >>

5. A constructor that have no parameter is known as____ constructor.
a. Default
b. Parameterised
c. Argument
d. One

6. _____ is a collection of abstract methods.
a. Class
b. Interface
c. Packages
d. Inheritance

7. Which of these access specifiers can be used for a class so that its members
    can be accessed by a different class in the different package?
a. Public
b. Protected
c. Private
d. Friendly

8. ____method is used to change the name of a thread.
a. public void setName(String name)
b. public void getName()
c. public String setName(String name)
d. public String getName()

9. Which of this statement is incorrect?
a) switch statement is more efficient than a set of nested ifs
b) two case constants in the same switch can have identical values
c) switch statement can only test for equality, whereas if statement can evaluate any type of boolean expression
d) it is possible to create a nested switch statements

10. An . is an incomplete class that requires further specification.
a. abstract class
b. final class
c. static class
d. super class

B. Give Reasons or short answer Questions (Solve Any Two)   10
    1. Explain any five features of java programming.
    2. Explain different relational operators in Java with example.
    3. What is package? State how to create and access user defined package in Java.

Q.2. xplain each of the primitive datatypes present in java? Discuss in detail [10]
      with suitable example.

Q.3. Explain different types of Inheritance in java with suitable example. [10]

Q.4. Explain the various ways of creation of thread with an example. [10]

Q.5. Discuss in detail about types of Layout management? [10]

Q.6. Write notes on (Any Four out of Six) [20]
      a) Looping statements in Java
      b) Thread Life Cycle
      c) Static and Dynamic Binding
      d) Event-Delegation Model
      e) Synchronization
      f) Access modifiers in Java