

2011000104030001
BCA (Sem-IV)
EXAMINATION JULY-2023
Java Programming Language

Seat No:

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[Time: Three hours]

[Max. marks: 70]

Instructions: i) All questions are compulsory.
ii) Figures to the right indicate full marks.

Student's Signature

Q.1 Multiple Choice Questions:

10

1. Who is father of java programming language?
A. James Gosling
B. Charles Babbage
C. M. P. Java
D. Blais Pascal
2. Which Provides runtime environment for java byte code to be executed?
A. JDK B. JVM C. JRE D. JAVAC
3. Which statement is true about Java?
A. Java is a sequence-dependent programming language
B. Java is a code dependent programming language
C. Java is a platform-dependent programming language
D. Java is a platform-independent programming language
4. Which of these are selection statements in Java?
A. Break B. Continue C. For() D. if ()
5. Which of these keywords is used to define interfaces in Java?
A. Intf B. intf C. interface D. Interface
6. Which of these keywords are used for the block to be examined for exceptions?
A. check B. throw C. catch D. try
7. Which of this method of class String is used to obtain a length of String object?
A. get() B. sizeof() C. lengthOf() D. length()
8. Which of these keywords can be used to prevent Method overriding?
A. static B. constant C. protected D. final

9. Which of these is correct way of calling a constructor having no parameters, of superclass A by subclass B?
A. super(void); B. superclass.(); C. super.A(); D. super();
10. Which of these is correct way of inheriting class A by class B?
A. class B + class A { }
B. class B inherits class A { }
C. class B extends A { }
D. class B extends class A { }

Q.2 Answer the following in short: (Any 2) 12

- A. Explain Runtime polymorphism with example.
B. Difference between Overloading and Overriding? Give example.
C. What is an applet? Explain applet life cycle with example.

Q.3 Answer in detail (Any 2) 12

- A. Write a short note on Thread Life cycle.
B. What is package? How can we create sub package and import it into another package?
C. Explain any four methods of String Buffer class.

Q.4 Answer in detail (Any 2) 12

- A. What is Exception? Explain user defined Exception with example.
B. Explain the concept of dead lock in detail.
C. Compare features of java and c++.

Q.5 Answer in detail (Any 2) 12

- A. Explain various methods of String class.
B. What is the significance of throws keyword? Give example.
C. Explain shift operators with example.

Q.6 Answer in detail (Any 2) 12

- A. What is Applet? Explain the Graphics methods of Applet.
B. Write a program that accept a number from command line and display individual digits on the interval of 10 seconds.
C. Explain Static method, Static variable and static block in detail with example