



0032034001

Seat No. \_\_\_\_\_

BACHELOR OF COMPUTER APPLICATION (W.E.F. 2019) Examination

BCA (2019) SEM 4 - April - 2023

CS-19 PROGRAMMING WITH JAVA

Faculty Code : 003

Subject Code : 0032034001

Time : 2.5Hours]

[Total Marks : 70

- 1 ( a ) Attempt the following : 4
- 1 Give full form of JRE.
  - 2 Give full form of IDE.
  - 3 Who created java programming language?
  - 4 List out java Editions.
- ( b ) Attempt any one : 2
- 1 Explain JVM.
  - 2 Explain jumping statement.
- ( c ) Attempt any one : 3
- 1 Explain Data type in java.
  - 2 Explain OOP Concept in java.
- ( d ) Attempt any one : 5
- 1 What is overloading? Explain constructor overloading with example.
  - 2 Explain Features of java in detail.
- 2 ( a ) Attempt the following : 4
- 1 Which package is import When we use Random class?
  - 2 List out type of access specifiersIn java.
  - 3 What is package?
  - 4 The \_\_\_ keyword in java is a reference variable that is used to refer to parent class objects.
- ( b ) Attempt any one : 2
- 1 Explain Wrapper class.
  - 2 Explain Final class.

- ( c ) Attempt any one : 3
- 1 Explain String Tokenizer with example.
  - 2 Explain Nested class with example.
- ( d ) Attempt any one : 5
- 1 What is inheritance? Explain types of inheritance in java with example.
  - 2 Explain string class with its method.
- 3 ( a ) Attempt the following : 4
- 1 Which Exception are occurred when invalid array index?
  - 2 The Exception class is a subclass of the \_\_\_ class.
  - 3 A \_\_\_ is an abstraction for a source or destination of data.
  - 4 What is the name of the method used to start a thread execution?
- ( b ) Attempt any one : 2
- 1 Explain throw and throws.
  - 2 Explain FileReader class.
- ( c ) Attempt any one : 3
- 1 Explain Buffered Reader and Buffered Writer class.
  - 2 Explain DataInputStream class.
- ( d ) Attempt any one : 5
- 1 What is Thread? Explain Thread Life cycle with example.
  - 2 Explain stream tokenizer class with example.
- 4 ( a ) Attempt the following : 4
- 1 Which method of graphics class is used to draw circle in an applet?
  - 2 Which is the default layout in applet?
  - 3 What is Card layout?
  - 4 What is Box Layout?
- ( b ) Attempt any one : 2
- 1 Explain Spring Layout.
  - 2 Explain Applet tag.
- ( c ) Attempt any one : 3
- 1 Explain graphics class.
  - 2 Explain Border layout.

( d ) Attempt any one :

5

- 1 Explain Applet Life cycle with Suitable Example.
- 2 Explain Grid Layout and GridBagLayout with Example.

5 ( a ) Attempt the following :

4

- 1 Full form of JFC is \_\_\_\_.
- 2 Full form of AWT is \_\_\_\_.
- 3 Full form of API is \_\_\_\_.
- 4 Which package is needed to use swing components?

( b ) Attempt any one :

2

- 1 Explain JTextField.
- 2 Explain JComboBox.

( c ) Attempt any one :

3

- 1 Difference between AWT and swing.
- 2 Explain JFrame with Example.

( d ) Attempt any one :

5

- 1 Explain Event Delegation model.
- 2 Explain Adapter class with suitable example.