

647510

BCA4javC0110 Seat No: _____
B.C.A Semester - 4 (CBCS) Examination
March/April- 2019
CS-19 PROGRAMMING WITH JAVA
(CORE)

Time: 2:30 Hours

Marks: 70

Instructions:

1. All questions are compulsory.
 2. Figures to the right indicate marks.
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- Q-1 (A) Attempt following questions. (04)**
- (1) The First publication of Java 1.0 was released by Sun Microsystems in _____ year.
 - (2) Single line comment execute in java using _____ symbol.
 - (3) JRE stands for _____.
 - (4) The _____ operator is used to access the instance variables and methods of class objects.
- (B) Attempt following. (Attempt any one) (02)**
- (1) What is Constructor?
 - (2) What is polymorphism?
- (C) Attempt following. (Attempt any one) (03)**
- (1) Explain Java Tokens.
 - (2) Explain static and non-static members.
- (D) Attempt following. (Attempt any one) (05)**
- (1) Explain Parameterized and Non-Parameterized constructor with example.
 - (2) What is Operator? Explain types of operators available in Java.
- Q-2 (A) Attempt following questions. (04)**
- (1) User can inherit the class using _____ keyword.
 - (2) Class B inherits from class A, and class C inherits from Class B it is called _____ type inheritance.
 - (3) _____ package imported by default into all Java programs.
 - (4) Methods declared as _____ cannot be overridden.
- (B) Attempt following. (Attempt any one) (02)**
- (1) What is Method overloading?
 - (2) What is interface?
- (C) Attempt following. (Attempt any one) (03)**
- (1) Explain java.io package.
 - (2) Explain Final class.
- (D) Attempt following. (Attempt any one) (05)**
- (1) Explain constructors in inheritance with example.
 - (2) Explain access specifiers available in Java.
- Q-3 (A) Attempt following questions. (04)**
- (1) Array index out of bound error; these are example of _____ exception.
 - (2) Java permits us to set the priority of a thread using the _____ method.
 - (3) The _____ state means that the thread is ready for execution in thread life cycle.
 - (4) _____ thread method blocked thread for a specified time.
- (B) Attempt following. (Attempt any one) (02)**

- (1) What is stream?
(2) What is thread?
(C) Attempt following. (Attempt any one) (03)
(1) Explain Streamtokenizer Class.
(2) Explain thread life cycle.
(D) Attempt following. (Attempt any one) (05)
(1) Explain exception handling in Java.
(2) Explain Random Accessfile class.
- Q-4 (A) Attempt following questions.** (04)
(1) The Applet class is contained in the _____ package in Java.
(2) _____ tag used for embedding applet into web page.
(3) _____ java package support Graphics class.
(4) Parameters may be passed to an applet via a series of _____ tag.
(B) Attempt following. (Attempt any one) (02)
(1) Explain drawstring method.
(2) What is applet?
(C) Attempt following. (Attempt any one) (03)
(1) Explain FlowLayout with example.
(2) Explain color class with example.
(D) Attempt following. (Attempt any one) (05)
(1) Explain applet life cycle in detail.
(2) Explain CardLayout and GridLayout with example.
- Q-5 (A) Attempt following questions.** (04)
(1) _____ method of JComboBox, returns the number of items from the list.
(2) _____ method of JList, returns an array of all selected items.
(3) In JRadioButton, if it is initially selected, then set state is _____.
(4) AWT stands for _____.
(B) Attempt following. (Attempt any one) (02)
(1) What is event listener?
(2) What is component?
(C) Attempt following. (Attempt any one) (03)
(1) Explain JFrame and JPanel.
(2) Explain JCheckBox and JComboBox.
(D) Attempt following. (Attempt any one) (05)
(1) Explain FocusEvent and TextEvent class in Java.
(2) Explain Event delegation model.
