

B.C.A Semester - 4 (CBCS) Examination
April/May -2022 [NEW COURSE]
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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Question: 1 (A) Answer the following questions.**03**

- (1) JDK stands for _____
- (2) JVM stands for _____
- (3) JRE stands for _____

Question: 1 (B) Answer the following question. (Any two)**06**

- (1) What is class?
- (2) What is polymorphism?
- (3) Explain java token.
- (4) What is constructor?

Question: 1 (C) Answer the following question. (Any one)**05**

- (1) Explain JAVA features.
- (2) Explain constructor with its type.

Question: 2 (A) Answer the following questions.**03**

- (1) What is abstract class?
- (2) What is final class?
- (3) API stand for _____.

Question: 2 (B) Answer the following question. (Any two)**06**

- (1) Explain inheritance.
- (2) Explain interface.
- (3) Explain package
- (4) Explain method overloading.

Question: 2 (C) Answer the following question. (Any one)**05**

- (1) Explain inheritance with its type.
- (2) Difference between method overloading and method overriding.

Question: 3 (A) Answer the following questions.**03**

- (1) Explain try block.
- (2) Explain catch block.
- (3) Explain throw statement.

- Question: 3 (B) Answer the following question. (Any two)** **06**
- (1) Explain stream.
 - (2) Explain any two method of FileInputStream class.
 - (3) Explain any two method of FileOutputStream class.
 - (4) Explain deamon and non deamon Thread.
- Question: 3 (C) Answer the following question. (Any one)** **05**
- (1) Explain Thread Life cycle.
 - (2) Explain character stream classes with example.
- Question: 4 (A) Answer the following questions.** **03**
- (1) _____ java package support Graphics class.
 - (2) _____ class must be import for applet programming.
 - (3) What is applet?
- Question: 4 (B) Answer the following question. (Any two)** **06**
- (1) Explain FlowLayout with example.
 - (2) Explain BorderLayout with example.
 - (3) Explain GridLayout with example.
 - (4) Explain CardLayout with example.
- Question: 4 (C) Answer the following question. (Any one)** **05**
- (1) Explain Graphics class with its method (any four).
 - (2) Explain Applet life cycle.
- Question: 5 (A) Answer the following questions.** **03**
- (1) AWT stand for _____.
 - (2) _____ java package support event.
 - (3) _____ java package support Swing components.
- Question: 5 (B) Answer the following question. (Any two)** **06**
- (1) Explain JButton with example.
 - (2) Explain JComboBox with example.
 - (3) Explain JProgressbar with example.
 - (4) Explain JTextArea with example.
- Question : 5 (C) Answer the following question. (Any one)** **05**
- (1) Explain ActionListener with example.
 - (2) Explain WindowEvent with example.
