



Seat No. _____

BACHELOR OF COMPUTER APPLICATION Examination

BCA Semester - 4 APRIL 2025 (Regular) APRIL - 2025

CS-22: PROGRAMMING WITH JAVA

Faculty Code : 003

Subject Code : 23SE-BCAP-MA-04-08001

Time : 2 Hours]

[Total Marks : 50

- Q.1 (A) 1) Full form of JVM.
2) Full form of JDK.
3) Full form of JRE.

3

Q.1 (B) what is JAVA IDE?

2

Q.1 (C) Explain JAVA Tokens.

5

OR

- Q.1 (A) 1) what is enum?.
2) what is array?.
3) what is JAVAC?.

3

Q.1 (B) what is jumping statement?

2

Q.1 (C) Explain looping statement in JAVA.

5

- Q.2 (A) 1) Full form of API.
2) Full form of OOP.
3) Full form of io.

3

Q.2 (B) explain Access Specifiers.

2

Q.2 (C) Explain java.util Package Classes.

5

OR

- Q.2 (A) 1) What is Universal class?.
2) Full form of AWT.
3) What is Final Class?

3

Q.2 (B) What is User-Defined package?

2

Q.2 (C) Explain java.lang Package Classes.

5

- Q.3 (A) 1) what is writeln method?
2) _____ class is used to read and write bytes in a file?.
3) _____ streams provide functionally for threads to communicate and exchange data between them.

3

Q.3 (B) what is thread class?

2

Q.3 (C) Explain StreamTokenizer Class with detail.

5

OR

- Q.3 (A) 1) _____ keywords is used to manually throw an exception? 3
 2) Full form of EOF.
 3) _____ exception is thrown by the read() method of InputStream class..
- Q.3 (B) what is stream? 2
- Q.3 (C) Explain FileInputStream and FileOutputStream with detail. 5
- Q.4 (A) 1) Full form of JAVAfX. 3
 2) _____ class is extended to make any JavaFX application?
 3) _____ method is used to add scene to stage?.
- Q.4 (B) what is JAVAfX? 2
- Q.4 (C) Explain inner class with JAVAfX. 5
- OR
- Q.4 (A) 1) _____ class represents a window?. 3
 2) _____ method will called by launch() of Application class in JavaFX?
 3) Full form of UI.
- Q.4 (B) What is Panes? 2
- Q.4 (C) Explain Property Binding. 5
- Q.5 (A) 1) Can a Circle or other Shape object be placed directly one the Stage? (Yes/No). 3
 2) Full form of GUI.
 3) What is the base class for UI controls in JavaFX?
- Q.5 (B) what is label? 2
- Q.5 (C) Explain use of textfield in JAVAfX. 5
- OR
- Q.5 (A) 1) _____ package is required to load images in JavaFX?. 3
 2) The _____ layout arranges all the nodes in our application in a single horizontal row.
 3) The _____ layout arranges all the nodes in our application in a single vertical column.
- Q.5 (B) what is audio and video?
- Q.5 (C) Explain use of button in JAVAfX. 2