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 : 23SI-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	

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Q.3 (A)	1) _____ keywords is used to manually throw an exception?. 2) Full form of EOF. 3) _____ exception is thrown by the read( ) method of InputStream class..	3
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. 2) _____ class is extended to make any JavaFX application?. 3) _____ method is used to add scene to stage?.	3
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?. 2) _____method will called by launch() of Application class in JavaFX?. 3) Full form of UI.	3
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). 2) Full form of GUI. 3) What is the base class for UI controls in JavaFX?	3
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?. 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.	3
Q.5 (B)	what is audio and video?	2
Q.5 (C)	Explain use of button in JAVAFx.	5

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