PRN:		Course Code:	U16PC302

Second Year **BCA** Semester End Examination Winter 2024

Core Java

000690

Day and Date: Mon 1- 2 Dec 2024

Max Marks: **50**

Time: 10:30AM To 12:30PM

Duration: **02** hrs

Instructions:

1) All questions are compulsory.

Q.1	**Attempt the following.**	**Marks**	**Bloom's Level**	**CO**
a)	What is the main method signature in Java? A) public static void main(String[] args) B) public void main(String args) C) public void main(String[] args) D) void main(String[] args)	01	L1	CO1
b)	Which keyword is used to inherit a class in Java? A) implements B) inherits C) extends D) None of the above	01	L1	CO1
c)	What is the main difference between == and equals() in Java? A) == compares object references, while equals() compares object values B) == is used for primitive types, while equals() is used for reference types C) == cannot be overridden, while equals() can be D) Both A and C	01	L1	CO2
d)	Which access specifier allows a class member to be accessible only within its own class? A) public B) private C) protected D) default	01	L1	CO2
e)	Which of the following keywords is used to handle exceptions in Java A) throws B) catch C) try D) All of the above		L1	CO3
f)	Which class is used to create a thread in Java? A) Thread B) Runnable C)Process D) Executor	01	L1	CO3
g)	Which class is used to read data from a file in Java? A) FileWriter B) BufferedReader C) PrintWriter D) FileReader	01	L3	CO4
h)	What type of stream is used to read bytes from a file? A) Character Stream B) Byte Stream C) Buffered Stream D) Input Stream	01	L2	CO4
i)	Which package is primarily used for networking in Java?	01	L1	CO4

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		A) java.network B) java.net C) java.io D) java.comm			
	j)	Which of the following is NOT a wrapper class in Java? A) Integer B) Double C) Character D) Float	01	L1	CO4
Q.2		**Attempt the following.**			
	a)	Describe Features of Java.	05	L2	CO1
	b)	Explain Arrays in Java with example.	05	L2	CO2
		OR			
	b)	Discuss the concept of Polymorphism	05	L2	CO2
Q.3		**Attempt any two.**			
	a)	What is String. Explain any 3 String Functions	05	L2	CO3
	b)	Explain the concept of Packages	05	L2	CO3
	c)	Describe Access Specifiers in Java	05	L3	CO3
Q.4		**Attempt any two.**			
	a)	Explain the concept of Exception Handling with example	05	L2	CO4
	b)	Develop a program to input 2 numbers and calculate its division using try catch and finally block	05	L4	CO4
	c)	Summarize the concept Thread Life Cycle	05	L2	CO4
Q.5		**Attempt any two.**			
	a)	Outline the concept of Wrapper class in Java	05	L2	CO4
	b)	What is List interface and its classes.	05	L1	CO4
	c)	Explain AWT and its components	05	L3	CO4

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