

**COMPREHENSIVE CONCURRENT EVALUATION**

Important Instruction:

1. The subject is evaluated based on four components:

| <b>Sr. No</b> | <b>Components</b>                       | <b>Submission Date</b>            | <b>Marks</b> |
|---------------|---|-----------------------------------|--------------|
| 1.            | Written Home Assignment                 | 22 <sup>th</sup> November<br>2021 | 25           |
| 2.            | Theoretical Questions &<br>Presentation | 15 <sup>th</sup> December<br>2021 | 25           |
| 3.            | Presentation                            | 5 <sup>th</sup> January-2022      | 25           |
| 4.            | MCQ Based Online Test                   | 7 <sup>th</sup> January-2022      | 25           |
|               | <b>Total Marks</b>                      |                                   | 100          |

**Component 1: Written Home Assignment Submission**

**date:** 22<sup>th</sup> November 2021

**Unit 1 : Introduction to java**

1. Explain the Difference between C++ and JAVA.
2. What is class?
3. Difference between Primitive and non-primitive data types.

**Unit 2 :Classes and Object**



1. What are different types of inner classes ?
2. What are the uses of "this" keyword in java ?
3. What is the use of wrapper classes in java?

## **Unit 3 :Collection**

- 1 What are the types of the main implementing classes in the map interfaces?
- 2 What are the different types of collections views being provided by the Map interface?

## **Unit 4 :File and Exception Handling**

+ Answer the following : (Short Questions)

1. What is an exception handling in Java?
2. Explain difference between checked and unchecked exceptions in Java?
3. What Is mean by Layout Manager?

## **Unit 5 : Applet, AWT and Swing Programming**

1. What Is mean by Awt? explain it with one example.
2. Difference Between Paint() And Paintcomponent()?

**Component 2: Theoretical Questions & Presentation**

**Submission Date:** 15<sup>th</sup> December 2021

- A. What Is The What Is The Difference Between Invokeandwait() And Invokelater()?
- B. Explain the difference between throw and throws keyword in Java?
- C. Explain the difference between an exception and error
- D. Explain features of JAVA?
- E. Explain JVM?
- F. What is the of Enumerator of the Java collection Framework?
- G. What are the different types of features of the java Collections framework?



**Component 3: Presentation**

**Submission Date:** 5<sup>th</sup> January-2022

a) Prepare the PowerPoint Presentation on following topic (select only one of them)

1. Explain Abstract Class in java?
2. Explain the Lifecycle Of An Applet?
3. To write the steps of installation of JAVA language?
4. Explain the Inheritance in java with one example
5. What Is An Event Handler In Swing
6. Explain Constructor in java? with one example