

Code No.: CS614OE

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CMR ENGINEERING COLLEGE : HYDERABAD
UGC AUTONOMOUS
III-B. TECH-II-Semester End Examinations (Regular) - June- 2024
JAVA PROGRAMMING
(ECE)

[Time: 3 Hours]

[Max. Marks: 70]

Note: This question paper contains two parts A and B.
Part A is compulsory which carries 20 marks. Answer all questions in Part A.
Part B consists of 5 Units. Answer any one full question from each unit. Each question carries 10 marks and may have a, b, c as sub questions.

PART-A

(20 Marks)

1. a) Differentiate between print () and println () methods in Java. [2M]
- b) Define the basic characteristics of object-oriented programming. [2M]
- c) Differentiate between inheritance and interface. [2M]
- d) What is the CLASSPATH? [2M]
- e) Define a thread with a syntax? [2M]
- f) What is synchronization and why is it important? [2M]
- g) Make a comparison of List, array and Array List. [2M]
- h) What is the purpose of String Tokenizer class? [2M]
- i) How do applets differ from application program? [2M]
- j) What is an adapter class? [2M]

PART-B

(50 Marks)

2. List and Explain about the Java Buzz Words? [10M]
- OR**
3. What is a Constructor? Classify the types of Constructors in Java? [10M]
4. Define inheritance. What are the types of inheritance? Explain its advantages and disadvantages. [10M]
- OR**
5. Write the benefits of packages and interfaces? How can we add a class to a package? Write about relative and absolute paths. [10M]
6. Define an Exception? Explain different types of Exception handling techniques? [10M]
- OR**
7. Write a Java program that creates two threads. First thread displays "Good Morning" every one second, the second thread displays- "Hello" every two seconds? [10M]
8. Write a program illustrating following framework. [10M]
 - a) Array List
 - b) Vector
 - c) Hash Table
- OR**
9. Discuss about the File Input Stream and File Output Stream in java with examples. [10M]
10. Write a java Program to implement an AWT based calculator with basic operations. [10M]
- OR**
11. Explain about the life cycle of applet? Write an applet example program. [10M]
