

Code No.: AI404PC

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H.T.No.

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CMR ENGINEERING COLLEGE: : HYDERABAD
UGC AUTONOMOUS

II-B.TECH-II-Semester End Examinations (Regular) - August- 2023

JAVA PROGRAMMING

(Common to CSC, CSD, & CSM)

[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 only 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) Explain any four features of Java. [2M]
- b) List String handling methods in Java. [2M]
- c) Define an interface and write the syntax to create interface. [2M]
- d) Compare read() and readLine() methods. [2M]
- e) What is an Exception? [2M]
- f) How to create user defined thread in java? [2M]
- g) Define a legacy class? [2M]
- h) What is the use of Scanner class? [2M]
- i) List different types of layout managers. [2M]
- j) Define an applet. [2M]

PART-B

(50 Marks)

2. a) Illustrate method overloading with example. [5M]
 - b) Write a Java program to interchange the values without using Temporary variable. [5M]
- OR**
3. What is an Array? Explain types of arrays in Java with example. [10M]
 4. What are the access specifiers in Java? Explain with example programs. [10M]
- OR**
5. a) Explain about nested interface with example program. [5M]
 - b) List the File class methods and explain with one example program. [5M]
 6. a) Demonstrate Nested try statements with an example [5M]
 - b) Explain about try, catch, statements with examples. [5M]
- OR**
7. Write a java program to implement inter thread communication. [10M]
 8. List all the Stack class methods and explain with one example program. [10M]
- OR**
9. Illustrate Random class with example. [5M]
 - Write a java program to print present system date and time. [5M]
 - 10.a) Difference between AWT and Swings? [5M]
 - b) Write a java program to implement Key events [5M]
- OR**
11. Write a java swing program to find the sum of two numbers. [10M]
