Code No.: AI404PC | R20 | H.T.No. | | | 8 | R | | | | | |

CMR ENGINEERING COLLEGE: : HYDERABAD
UGC AUTONOMOUS
II–B.TECH–II–Semester End Examinations (Supply) -June- 2025
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 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) Define Array.   [2M]
   b) Define Inheritance.   [2M]
   c) What is package?   [2M]
   d) What is enum?   [2M]
   e) Distinguish between exception and error.   [2M]
   f) Define Thread.   [2M]
   g) Define collections.   [2M]
   h) Define Scanner class.   [2M]
   i) Define AWT class hierarchy.   [2M]
   j) What is an event?   [2M]

PART-B   (50 Marks)

2. Explain briefly about the features (buzzwords) of Java.   [10M]

OR

3. Define method overriding and method overloading with an example.   [10M]

4. Discuss about Serialization& Deserialization with an example.   [10M]

OR

5. Discuss how interfaces are defined and how they are implemented in classes with an example.   [10M]

6. What is an exception? How are exceptions handled in Java programming? Explain with suitable program.   [10M]

OR

7. Define Thread and explain various priorities of Thread class with an example.   [10M]

8. Explain the concept of Java collection frame. Write a brief overview on it.   [10M]

OR

9. Discuss about StringTokenizer class. Explain with an example.   [10M]

10. What is an applet? Explain the life cycle of Applet with a neat sketch.   [10M]

OR

11. Develop a java program to illustrate mouse related events.   [10M]

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