CMR ENGINEERING COLLEGE: : HYDERABAD
UGC AUTONOMOUS
II–B.TECH–II–Semester End Examinations (Supply) - December- 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.

<u>**PART-A**</u>   **(20 Marks)**

1. a)	Define constructor.	[2M]
b)	Define Polymorphism.	[2M]
c)	Define interface.	[2M]
d)	What do you mean by Wrapper classes?	[2M]
e)	Define unchecked exceptions.	[2M]
f)	List out the ways to create a Thread.	[2M]
g)	Define Queue.	[2M]
h)	Define hash table with syntax.	[2M]
i)	Define Applet.	[2M]
j)	List the components of swing.	[2M]

<u>**PART-B**</u>   **(50 Marks)**

2. Explain briefly about String class and discuss various methods in String class with an example.   [10M]

OR

3. Define Inheritance. What are the various types of Inheritance explain with examples?   [10M]

4. Discuss in detail about creating and importing packages with an examples.   [10M]

OR

5. Explain Character Streams with an example.   [10M]

6. Differentiate between Checked and Unchecked exceptions with an example.   [10M]

OR

7. Distinguish between multiprocessing and multithreading. And What is multithreading. Explain the advantages of multithreading?   [10M]

8. What are similarities and difference between ArrayList and Vector? Explain.   [10M]

OR

9. Explain in detail about Comparator interface with an example.   [10M]

10. Discuss in detail about Border Layout with an example.   [10M]

OR

11. Distinguish various differences between Swing and AWT.   [10M]

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