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CMR ENGINEERING COLLEGE: : HYDERABAD
UGC AUTONOMOUS
II–B.TECH–II–Semester End Examinations (Supply) - February- 2024
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)	Differentiate super class and sub class.	[2M]
b)	Explain Object class.	[2M]
c)	Define Abstraction.	[2M]
d)	Differentiate between Abstract Method and Concrete Method.	[2M]
e)	Write the syntax of try block without catch and finally blocks.	[2M]
f)	Mention the use of 'finally' keyword in Exception Handling.	[2M]
g)	Define StringTokenizer.	[2M]
h)	Explain any three methods defined by Iterator?	[2M]
i)	Write short notes on Adapter classes & Inner classes.	[2M]
j)	List the features of Swing.	[2M]

PART-B   (50 Marks)

2. Does Java Support Multiple Inheritance?-Justify your answer. [10M]

OR

3. Write short notes on 'this keyword' and 'super keyword' in Java. [10M]

4. How to define a package? How to access, import a package? Explain with examples. [10M]

OR

5. What is interface in java? Write the process of defining, implementing interfaces in java. [10M]

6. Explain the life cycle model of a thread. [10M]

OR

7. Develop a java program that handle "Divide-by-zero" exception. [10M]

8. With syntax, explain the following utility classes. i) Random ii) Date and Calendar iii) Scanner [10M]

OR

9. Explain in detail about Collection interfaces. [10M]

10. Illustrate the Life cycle of an Applet with suitable example. [10M]

OR

11. Explain the following classes: i) JFrame ii) JApplet iii) JPanel [10M]

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