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

CMR ENGINEERING COLLEGE: : HYDERABAD
UGC AUTONOMOUS
II–B.TECH–II–Semester End Examinations (Supply) - July- 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) What is method binding in java?   [2M]
   b) What are constructors in java?   [2M]
   c) Define Package in java.   [2M]
   d) What is the need of generics?   [2M]
   e) List different built-in Exceptions.   [2M]
   f) What is thread based multitasking?   [2M]
   g) What is Iterator?   [2M]
   h) What is the use of Scanner class?   [2M]
   i) What are the limitations of AWT?   [2M]
   j) What are Event Sources?   [2M]

PART-B   (50 Marks)

2. Discuss in detail about the Java Buzz Words.   [10M]

OR

3. a) Develop java program to demonstrate method overriding.   [5M]
   b) Explain various types of inheritance.   [5M]

4. Develop a java program to illustrate how to create and import packages.   [10M]

OR

5. Construct a java program to write the content of one file to another file, the name of the   [10M]
   files are passed as command line arguments.

6. Describe the terms with respect to exception handling: try, catch, throw, throws and   [10M]
   finally and illustrate with a suitable program.

OR

7. a) Explain in detail about the thread priorities.   [5M]
   b) Write a program that creates two threads. Fist thread prints the numbers from 1 to 100 and   [5M]
      the other thread prints the numbers from 100 to 1.

8.a) Develop a java program using LinkedList class. [5M]

b) Develop a java program to implement TreeMap class using collection framework. [5M]

OR

9.a) Explain about java Comparators with suitable example. [5M]

b) Illustrate Date utility class in detail. [5M]

10. Describe delegation event model for event handling in Java by developing a java program. [10M]

OR

11.a) Explain in detail about Grid Layout with sample program. [5M]

b) Describe briefly about JButton and JList. [5M]

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