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SIDDHARTH INSTITUTE OF ENGINEERING & TECHNOLOGY:: PUTTUR
(AUTONOMOUS)**B. Tech II Year I Semester Supplementary Examinations November-2022**
OBJECT ORIENTED PROGRAMMING THROUGH JAVA
(Common to CSE, CIC & CSIT)

Time: 3 hours

Max. Marks: 60

(Answer all Five Units 5 x 12 = 60 Marks)

UNIT-I

- 1 a Define Data Type. Discuss the data types available in Java. **L2 6M**
b Develop a Java program to read different data types using Scanner. **L6 6M**

OR

- 2 a Define an Array? Classify the types of arrays in Java. **L4 6M**
b Create a Java program to read and display the array elements. **L6 6M**

UNIT-II

- 3 a Illustrate Garbage Collector in Java and explain the its behaviour when used. **L3 6M**
b Differentiate between the usage of static, final keywords with example. **L4 6M**

OR

- 4 a Give the definition and syntax of Class, Method and Object. **L1 6M**
b Create a java program to display "Hello! Java" using Class, Object and Method. **L6 6M**

UNIT-III

- 5 a Discuss in detail Java exception hierarchy. **L2 6M**
b Give the difference between checked and unchecked exceptions. **L4 6M**

OR

- 6 a Discriminate what is Daemon Threads and it's implementation with an example. **L5 6M**
b Apply join() method in multithreading java program to show its usage. **L3 6M**

UNIT-IV

- 7 a List and describe about collection class in java. **L2 6M**
b Implement the following concepts with java programs **L4 6M**
i) Array list ii) Tree Set iii) Linked Hash Map

OR

- 8 a Interpret how to create a file in java with example program. **L3 6M**
b Develop a java program to show Read and Write a file in java with an example program. **L6 6M**

UNIT-V

- 9 a State the features of swing in java. **L1 4M**
b Difference between AWT and SWING. **L4 8M**

OR

- 10 a Interpret the usage of Date and Time API with an example program. **L3 8M**
b Discuss in detail the operations on Streams. **L2 4M**

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