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SIDDHARTH INSTITUTE OF ENGINEERING & TECHNOLOGY:: PUTTUR
(AUTONOMOUS)

B.Tech II Year I Semester Regular & Supplementary Examinations March-2023

OBJECT ORIENTED PROGRAMMING THROUGH JAVA

(Common to CSE, CSIT, CCC & CIC)

Time: 3 hours

Max. Marks: 60

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

UNIT-I

- 1 a What is mean by OOP? Illustrate the concepts of OOP. CO2 L3 6M
b Develop a java program to read different data types using scanner. CO1 L6 6M

OR

- 2 a Discriminate the type of operators in java with examples. CO1 L4 6M
b Describe command line arguments? Develop a Java program to add two numbers using command line arguments. CO1 L6 6M

UNIT-II

- 3 a Differentiate between the usages of static, final keywords with example. CO2 L4 6M
b Describe about the super keyword in java with example. CO2 L2 6M

OR

- 4 a Recall what is package? Explain how to create user defined package in java with example program. CO2 L2 6M
b Write a java program to find the factorial value of the given number using user defined package concept. CO2 L6 6M

UNIT-III

- 5 a Differentiate between checked and unchecked exceptions. CO3 L4 6M
b Sketch and explain Thread life cycle. CO4 L3 6M

OR

- 6 a Describe how to set the priority to threads? what are the different ranges. CO4 L1 6M
b Create a java program to check the given string is palindrome or not. CO4 L6 6M

UNIT-IV

- 7 a Discuss in detail on collection interfaces and their methods. CO6 L2 6M
b Apply the following interfaces with java programs. CO6 L3 6M
i) The collection interface ii) The set iii) The map entry

OR

- 8 a Define a Stream. CO4 L1 2M
b Write in detail about various stream classes in java. CO4 L6 10M

UNIT-V

- 9 a Develop a java program to pass multiple parameters with Lambda expression. CO5 L6 6M
b Describe reference to an instance method of an arbitrary object of a particular type. CO5 L2 6M

OR

- 10 Illustrate the steps for creating simple login page using java swing with an example program. CO5 L3 12M

*** END ***

RESEARCH INSTITUTE OF ENGINEERING & TECHNOLOGY: PUTTUR

(AUTONOMOUS)

B.Tech II Year I Semester Regular & Supplementary Examinations March-2023

COURSE I ORIENTED PROGRAMMING THROUGH JAVA

(Common to CSE, ECE, EEE & CTE)

Time: 3 hours

Max. Marks: 60

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

UNIT I

- 1 a) What is an IDE? Give the concept of IDE.
- b) Describe a Java program to add two integers using scanner.
- 2 a) Explain the control statements in Java with examples.
- b) Develop a Java program to add two integers using control flow statements.

UNIT II

- 3 a) Differentiate between the usage of static final keyword with example.
- b) Explain about the array keyword in Java with example.
- 4 a) Write a program to create and define package in Java with example.
- b) Explain about the package keyword in Java with example.

UNIT III

- 5 a) Explain how to set the priority in threads with the different ranges.
- b) Create a Java program to check the given string is palindrome or not.
- 6 a) Explain about the collection framework and their methods.
- b) Write a program to find the maximum value in an array.

UNIT IV

- 7 a) Explain about the exception handling in Java with example.
- b) Write a program to find the maximum value in an array.
- 8 a) Explain about the exception handling in Java with example.
- b) Write a program to find the maximum value in an array.

UNIT V

- 9 a) Explain about the exception handling in Java with example.
- b) Write a program to find the maximum value in an array.
- 10 a) Explain about the exception handling in Java with example.
- b) Write a program to find the maximum value in an array.

UNIT VI

- 11 a) Explain about the exception handling in Java with example.
- b) Write a program to find the maximum value in an array.

UNIT VII

- 12 a) Explain about the exception handling in Java with example.
- b) Write a program to find the maximum value in an array.

UNIT VIII