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|  | | | | | **Reg. No.:** | |  | | | |
| **Name :** | |  | | | |
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| **TERM END EXAMINATIONS (TEE) – December 2021- January 2022** | | | | | | | | | | |
| **Programme** | | | **:** | **BTech** | | **Semester** | | **:** | **Fall 2021-22** | |
| **Course Name** | | | **:** | **Introduction to problem solving and programming** | | **Course Code** | | **:** | **CSE1021** | |
| **Faculty Name** | | | **:** | **E Nirmala** | | **Slot / Class No** | | **:** | **B11+B12+B13/0074** | |
| **Time** | | | **:** | **1 ½ hours** | | **Max. Marks** | | **:** | **50** | |
| **Answer ALL the Questions** | | | | | | | | | | |
| **Q. No.** | **Question Description** | | | | | | | | | **Marks** |
| **PART - A (30 Marks)** | | | | | | | | | | |
| 1 | (a) | Write the algorithm, pseudocode and draw the flowchart to find the sum of n even numbers. | | | | | | | | 10 |
| OR | | | | | | | | | |
| (b) | Explain different types of operators in python with example. | | | | | | | | 10 |
| 2 | (a) | Explain Iteration statements with syntax and python code. | | | | | | | | 10 |
| OR | | | | | | | | | |
| (b) | Write a Program to generate Fibonacci sequence for n numbers and convert Fahrenheit to Celsius. | | | | | | | | 10 |
| 3 | (a) | Write a program for different types of operations performed for tuples. | | | | | | | | 10 |
| OR | | | | | | | | | |
| (b) | List out the operation performed with arrays with python coding. | | | | | | | | 10 |
| **PART - B (20 Marks)** | | | | | | | | | | |
| 4 | | Write the algorithm, pseudocode and draw the flowchart to find the given number is prime numbers or not. | | | | | | | | 10 |
| 5 | | Differentiate between list and sets. Write a program for matrix transpose. | | | | | | | | 10 |