|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| W | | | | | **Reg. No.:** | |  | | | |
| **Name :** | |  | | | |
|  | | | | | | | | | | |
| **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** | | | **:** | **M. Suresh** | | **Slot / Class No** | | **:** | **A11+A12+A13/0092** | |
| **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 all EVEN numbers till 100. | | | | | | | | 10 |
| OR | | | | | | | | | |
| (b) | Write a program for swapping of two numbers and adding of two numbers using function and module. | | | | | | | | 10 |
| 2 | (a) | Define break, continue and pass. Write a program for sum of series 1^3+2^3+…..+n^3 | | | | | | | | 10 |
| OR | | | | | | | | | |
| (b) | Write a program to reverse the digit and sum of digit for the given number. | | | | | | | | 10 |
| 3 | (a) | Write a program to find length, reverse, and number of integers for given string without using build in function. (WELcome 2 the Vit Bhopal 4123567s) | | | | | | | | 10 |
| OR | | | | | | | | | |
| (b) | Write a program to create two 1-dimensional array of same size, add all even index and odd index items, and store them in a separate array. | | | | | | | | 10 |
| **PART - B (20 Marks)** | | | | | | | | | | |
| 4 | | Write the algorithm, pseudocode and draw the flowchart to compute the area of triangle. | | | | | | | | 10 |
| 5 | | Differentiate between list and tuple. Write a program for matrix subtraction. | | | | | | | | 10 |