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| **Mid-Term Examinations – November 2021** | | | | | | | | | | |
| Programme | | | : | **B.Tech** | | Semester | | : | | **Fall 2021-22** |
| Course | | | : | **Introduction to Problem Solving and Programming** | | Code | | : | | **CSE1021** |
| Faculty | | | : | **Dr. Balaji A** | | Slot/ Class No. | | : | | **A21+A22+A23/0100** |
| Time | | | : | **1 ½ hours** | | Max. Marks | | : | | **50** |
| **Answer all the Questions** | | | | | | | | | | |
| **Q.No.** | **Sub. Sec.** | **Question Description** | | | | | | | **Marks** | |
| 1 |  | List the three strategies used for developing an algorithm with illustrating the solution for the problem to swap the two numbers without build-in function. | | | | | | | **10** | |
| 2 |  | What is algorithm? Summarise the characteristics of a good algorithm with outline the algorithm for displaying the first n odd numbers | | | | | | | **10** | |
| 3 |  | Why are functions needed and write a python program using function with passing the Argument with Returns to find the sum of first ‘n’ even numbers | | | | | | | **10** | |
| 4 |  | Compare the Iteration statements FOR and WHILE including pictorial representation | | | | | | | **10** | |
| 5 |  | Develop the coding for the below program using conditional (if, if- else, if-elif-else) commands 1. Find the biggest number among the three numbers and also find the biggest number is odd or even. | | | | | | | **10** | |
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